Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

Volume 139
Number 5

SINCE 1871

February 3, 1941

BONE ASH

A free-flowing, water insoluble white powder—manufactured at our Detroit Plant. Used in the ceramic, enamel and glass industries. Packed in bags or wood barrels. Prompt deliveries from stock.

"AA QUALITY" CHEMICAL PRODUCTS

Monocalcium Phosphate	Ammonium Carbonate	Sulphuric Acid
Dicalcium Phosphate	Bone Black Pigments	Gelatin
Disodium Phosphate	Animal Charcoal	Phosphorus
Trisodium Phosphate	Sod. Acid Pyro Phosphate	Phosphoric Acid

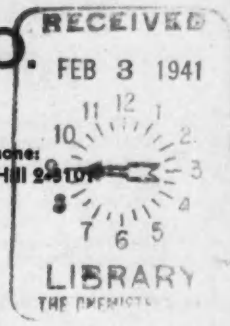
The AMERICAN AGRICULTURAL CHEMICAL Co.
P. O. Box 2458 — Detroit, Mich.
33 Offices in Principal Cities in U. S., Cuba and Canada

Established 1880

WM. S. GRAY & CO.
342 MADISON AVENUE
NEW YORK

Cable Address: Graylime
Phone: MUrray Hill 2-4101

ROSIN
TURPENTINE
Chemicals Solvents



USE THIS COUPON for Free Sample of

MULTIFEX MM (Micro Milled)
PRECIPITATED CALCIUM CARBONATE
Check here ☐ if you want full specifications and prices

SHIP TO_____
ADDRESS_____
ATTENTION OF_____

DIAMOND ALKALI COMPANY
PURE CALCIUM PRODUCTS DIV. • BOX 407 • PAINESVILLE, OHIO

"Standard"

Bichromate of Soda
Bichromate of Potash
Chromate of Soda
Chromate of Potash
Ammonium Bichromate

PRIOR CHEMICAL CORPORATION - NEW YORK
420 LEXINGTON AVENUE

Selling Agents for
STANDARD CHROMATE DIVISION
Diamond Alkali Company, Painesville, Ohio

PUBLICKER
COMMERCIAL ALCOHOL COMPANY
1800 W. Lehigh Avenue, PHILADELPHIA, PENNA.
MANUFACTURERS OF
ACETONE • BUTYL ALCOHOL
BUTYL ACETATE • AMYL ACETATE
ETHYL ACETATE
ALCOHOL
Pure and Denatured

Guaranteed 99½% to 100% Pure

BORAX
BORIC ACID

Refined and U. S. P.

» Crystal » Granulated » Powdered » Impalpable »
» Calcined Borax Glass » Manganese Borate » Anhydrous Ammonium Borate »
Samples on request

PACIFIC COAST BORAX COMPANY
Dept. Q
51 Madison Avenue, New York
CHICAGO ILLINOIS

DICHLORETHYL ETHER..*a Chlorinated Solvent*

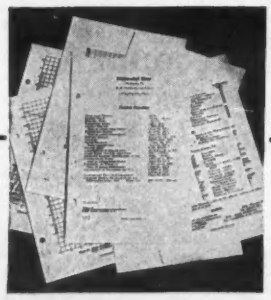
that has become an INTERMEDIATE SOIL FUMIGANT INSECTICIDE

It is well known that Dichlorethyl Ether is especially effective as a chlorinated solvent and is widely used for this purpose. Its further utility as an economical intermediate in chemical synthesis and as a soil fumigant and insecticide control agent is just beginning to be recognized.

CHLORINATED SOLVENT—Dichlorethyl Ether is a powerful solvent for the naphthenic constituents of oils, but a poor solvent for the paraffinic constituents. This makes possible the separation of these portions in such processes as the extraction and refining of certain lubricating oils. Its solvent action on oily and tarry materials aids in the removal of paint and tar brands from wool, and oil and grease spots from cloth. Its high boiling point (178.5°C.) permits its use at elevated temperatures with low-pressure equipment.

INTERMEDIATE FOR SYNTHESES—Under proper conditions, both chlorine atoms of the Dichlorethyl Ether molecule lend themselves to a number of valuable synthetic reactions. They can be replaced by other chemical groups to form promising pharmaceuticals, plasticizers, insecticides, resins, and synthetic rubbers. The role of Dichlorethyl Ether in chlorethylating reactions, through the formation of dichlorethyl sulfate, is also of interest in preparing various chlorethyl esters.

SOIL FUMIGANT AND INSECTICIDE—The application of aqueous solutions of Dichlorethyl Ether to soil infested with Japanese beetle grubs, wireworms, sod webworms, and other soil pests gives successful kills. It is also becoming important as a coupling agent for derris root sprays, giving solutions that disperse completely in mineral oils.



SEND FOR THESE DATA SHEETS

—For information concerning the use of Dichlorethyl Ether, address:

CARBIDE AND CARBON CHEMICALS CORPORATION

Unit of Union Carbide and Carbon Corporation

UCC

30 East 42nd Street, New York, N. Y.

PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Member: Audit Bureau of Circulations

Volume 139 | February 3, 1941 | Number 5

Chemical Payrolls Show Slight Gain

Employment Up 0.2 Percent—Payrolls Rise 2.8 Percent—Both Are Above 1939 Figures

Employment in factories engaged in the manufacture of chemicals, and related products in the United States noted an increase of 0.2 percent from November 15 to December 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 2.4 percent above the corresponding level of 1939. Payrolls showed a gain of 2.8 percent from November 15 to December 15, and stood 7.3 percent above corresponding level for 1939.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries December 15 was 125.5 (100 equals 1923-25 average), compared with 125.3 for November 15 and 122.3 for December, last year. For payroll totals the index number was 143.7 (same basis), compared with 125.3 for November and 122.3 for December last year.

The Bureau's general index num-

—*Continued on page* 58

Chemist Advisers Discuss Financing

Financing the maintenance of its work was the pressing problem before the Chemist Advisory Council at its third annual meeting January 30 in the Chemists' Club, this city. Misunderstanding of the council's purpose and lack of accurate information on its functioning apparently deprive it of much of the support which it deserves. An endeavor will be made to present the case of the council and its work to the leaders of organizations in the chemical industry. The council is also soliciting the support of employed chemists by contributions of a dollar a year, for which purpose fifty-seven cooperating chairmen have been enlisted throughout the country.

The prevailing view appears to be that the Chemist Advisory Council operates an employment agency. This is not so, and during the past year proper recognition of the philanthropic nature of its operations was obtained from the State of New York which had been attempting to tax it as an employment agency.

The functions of the council have been aptly defined as follows:—

1. A restorer of morale. It means a great deal to a chemist shaken by the experience of losing a job to find kindly interest and wise advice furnished by an

—*Continued on page* 58

Defense Painting Calls For Many Materials

Army and navy needs for paints and related products in the construction of cantonments and other temporary housing and low-cost housing for workers will mainly be filled by purchases of prepared coatings in accordance with the following Federal specifications:—

TT-E-506a, type A
TT-P-31, type B
TT-P-51a, type A
TT-S-176
TT-V-61

Other prepared coatings are being purchased, and these must pass the requirements of the officer in charge. In addition painters under government contracts for this construction work are required to use other materials for specified purposes. According to the latest instructions to bidders on prod-

—*Continued on page* 40

Alcohol-Recovery Stills Tax Exemption Favored

OPD Washington Bureau
January 27, 1941

The Federal tax on stills would be lifted from equipment used by the chemical and other industries for the recovery, under permit, of specially or completely denatured alcohol under the terms of a bill (H.R. 2757) introduced today by Representative Robert N. Doughton, chairman of the committee on ways and means.

All stills have been subject to Federal tax since 1938, but last Summer Congress enacted a law exempting petroleum stills from the tax. Total revenue from stills of all types has been about $8,000 a year, with chemical stills accounting for only a fraction of this. The Manufacturing Chemists Association sought to have chemical stills exempted by regulation, but the Bureau of Internal Revenue decided this is impossible under the law. The bureau, however, will not oppose enactment of the Doughton bill since the loss in revenue would be trivial and the tax does not afford any protection of the revenue since all such stills would continue to be registered.

Wetting Agents Forum In Chemist Club Feb. 28

A meeting of the American section of the Society of Chemical Industry, jointly with the American Institute of Chemical Engineers, will be held on February 28 in the Chemists' Club, this city. The meeting is to be a symposium on wetting agents. Dr. Lincoln T. Work will preside. The topics to be discussed are as follows:—

"The Theory of Wetting Agents," Prof. F. E. Bartell, professor of chemistry, University of Michigan.

"The Structure of Wetting Agent Molecules," C. R. Caryl, of the American Cyanamid Company.

"Uses of Wetting Agents," Dr. Samuel Lenher, technical manager of the fine chemicals division, E. I. du Pont de Nemours & Co.

A dinner will be held at the club prior to the meeting and starting at 6:45 p.m. Ladies and non-members of the cooperating societies are invited to attend both the dinner and the meeting.

Bureaucracy Reforms Urged By Investigating Committee

OPD Washington Bureau
January 30, 1941

Reform of the regulatory procedure of virtually all Federal agencies, to a great or less extent, is recommended in draft legislation and a report submitted by the Attorney-Generals Committee on Administrative Procedure. The proposals are the answer of the administration to the Logan-Walter bill, vetoed by President Roosevelt last year, and if adopted are calculated to go far in meeting the criticism of arbitrary action by regulatory bureaus, boards, and commissions.

Unlike the Logan-Walter bill, the new proposals do not call for more extensive court review of administrative actions, though a minority of the committee recommends this. Instead, it is proposed to separate functions of prosecution and judgment within the agencies, and to cut down the volume of formal hearings, give more publicity to policies and rulings, and in other ways make it easier for regulated businesses to deal with the regulating agencies.

Legislation Introduced

The committee was composed of prominent lawyers, judges, and law professors, and was headed by Dean Acheson, Washington attorney, who was formerly assistant Secretary of the Treasury and has just been appointed Assistant Secretary of State. The committee spent nearly two years studying some thirty-five agencies and wrote separate monographs on many of them. It held public hearings last Summer. The committee recommendations have been embodied in bills introduced in Congress, and action is expected during this session.

—*Continued on page* 38

S.W. Jacobs Re-Elected Chlorine Institute Head

S. W. Jacobs, of the Electro Bleaching Gas Company, this city, has been re-elected president of the Chlorine Institute. E. C. Speiden, of Innis,

S. W. Jacobs

Speiden & Co., has been renamed vice-president and Robert T. Baldwin has been re-elected secretary and treasurer.

Elected to the directorate for two-year terms were:—H. E. Bartlett, of

—*Continued on page 37*

Magnesium Trust Charges Indict 6 Firms

A Federal grand jury sitting in this city returned January 30, 1941, three indictments charging six corporations and nine individuals engaged in the magnesium industry with violations of the Federal antitrust laws.

The defendant companies are—The Aluminum Company of America, Pittsburgh; I. G. Farbenindustrie, commonly known as the German dye trust; the Dow Chemical Company, Midland, Mich.; the American Magnesium Corporation, Cleveland; the Magnesium Development Company, Newark, N. J.; the General Aniline & Film Company, this city.

Officials of the Department of Justice predicted that the indicted companies would seek settlement under a consent decree. As a condition to the filing of such a decree, however, it was indicated that the government will ask the Aluminum Company of America to dispose of its holdings in the American Magnesium Corporation. A counter-proposal by Aluminum company that it buy the half-interest which General Aniline & Film Company holds in the Magnesium corporation, has been advanced, according to government officials. General Aniline has already offered to sell its half share, it was said.

If the latter course is followed, it was said, it will not dissuade the government from demanding that the Aluminum company ultimately withdraw from the Magnesium corporation entirely.

The indictments charge that the production of magnesium has been retarded and stifled by a combination of four American firms, to wit, the Aluminum Company of America, the

—*Continued on page* 58

Plastic Molding Composition Made from Brazilian Coffee

By 'Good Neighbor'

Was it Mark Twain who said, "Everybody talks about the weather but nobody does anything about it"?

Well, for years scientists and chemurgists (a newly found term for research chemists who work to discover how to make products of the soil adaptable to the needs of industry) have tried to do something about the appalling economic loss entailed on Brazil by its annual coffee-destruction program.

Imagine then the contribution to the solving of this serious problem made by a well-known American chemist and physicist, Herbert S. Polin, when it was announced that he had discovered and developed a process for converting the green coffee bean into a highly serviceable plastic molding compound!

In making this product, which will be merchandized under the registered trade-name, "Caffelite," the green coffee beans are powdered, the oil is removed and, by the extraction and reintroduction of certain chemical constituents of the bean itself, a coordinate type of resin is produced. This plastic molding compound can be made either thermoplastic or thermosetting; its initial introduction will be of the latter type.

Caffelite, a composite product, combining binder, filler, and auxiliary molding materials, is a complete molding composition in itself, and is not to be confused with the "filler materials" normally used in the plastics industry.

Similar to Phenolics

The physical constants of this molding composition are very much like those of the phenolics, with the molding conditions likewise in the temperature range and pressure range of the phenolic resins. Caffelite, however, exhibits interesting compatibility in admixture with both thermosetting and thermoplastic molding materials, and since it is an independently complete molding compound, it may be combined with other materials to a proportion as high as 95 percent. The advantageous aspect of using a high percentage of caffelite with other compositions is because it has a very much lower cost, and will thus con-

—*Continued on page 44*

Closing Markets

London Closing Cable

LONDON, Jan. 31, 1941

Carnauba wax was quoted 450s. per hundredweight. Beeswax, 200s. per hundredweight.

Corn Derivatives Lower

Corn starch, dextrin and corn sugar prices were lowered 5c. per 100 pounds late in the week. Prices were on a nominal basis for several weeks, with some sellers making shipments at the levels prevailing November 29th.

Bleached Beeswax Higher

Prices on bleached beeswax have been advanced to cover the higher cost of crude wax. New quotations are:—Discs, 40c. per pound; cakes, 39c.; slabs, 38c.

Codliver Oil Down Slightly

Quotations on codliver oil at the close of last week were easier and slightly lower at $67 to $70 per barrel.

Schicktanz to Study Farmmade Motor Fuels

OPD Washington Bureau
January 28, 1941

The appointment of Sylvester T. Schicktanz to head research on motor fuels from farm products in the Bureau of Agricultural Chemistry and Engineering was announced today by Dr. Henry G. Knight, chief of the bureau. Mr. Schicktanz, a native of Belleville, Ill., and a graduate of the University of Illinois in chemistry and chemical engineering, comes to the Department of Agriculture after eight years in research at the Bureau of Standards.

Mining Engineers Inst. To Meet February 17-20

George C. Bateman, controller of metals for the Canadian ministry of munitions and supply, and president of the Canadian Institute of Mining and Metallurgy will be the principal speaker at the All-Institute Luncheon to be held during the annual meeting of the American Institute of Mining Engineers, in the Engineering Societies Building, this city, February 17 to 20.

Mr. Bateman will discuss the relationship of the mining industry and the armament program in his country. The luncheon wil be held in the Commodore hotel, February 17.

In the technical sessions of the convention, discussions have been planned by the divisions of the institute concerned with mineral industry education, health and safety in mines, mining methods. Eastern magnetite mining and milling, milling methods, nonferrous metallurgy, iron and steel, nonmetallics, coal, petroleum, mining geology, and geophysics.

Vinylite Not Glass In F.T.C. Opinion

A Federal Trade Commission complaint charges S. Buchsbaum & Co., manufacturer of men's accessories made of vinylite, with misrepresentation, by means of advertisements and otherwise that its "Elasti-Glass" accessories are made of glass, when in fact they contain no glass.

The complaint alleges that the respondent disseminates advertisements stating that its products are made of "Elasti-Glass" (its trade-name for vinylite), described as "Science's latest miracle"; that the advertisements picture the transparency of the material, state it to be elastic in action, and further ascribe to it many of the properties commonly associated with glass, such as durability and imperviousness to water or moisture.

Gasoline Pump Makers Indicted as 'Trust'

Chicago, Jan. 31, 1941

Four gasoline-pump manufacturing companies, a trade association and five individuals today were indicted under the anti-trust law in manufacture of gasoline computer pumps. Companies named were the Wayne Pump Company, Fort Wayne, Ind.; the Tokhein Oil Tank & Pump Company, Fort Wayne; Gilbert & Barker Manufacturing Company, Springfield, Mass., and Veeder-Root, Inc., Hartford, Conn. Named in an indictment charging price-fixing was the Gasoline Pump Manufacturers Association.

Chemical Price Views Firmer

Still more firmness was in evidence last week in the price views prevalent in the markets for heavy and fine chemicals. This was reflected in a half-dozen higher quotations, among which another boost for quicksilver was noteworthy. Tin also showed advances.

There was some irregularity in demand in certain sections, although the bigger consuming groups continued to buy busily in keeping with their larger operating activities. Defense business added something to its volume, but any need for applying priorities appeared to be quite remote.

Prices were advanced on quicksilver, Straits tin, tetrachloride of tin, strontium chloride, blackstrap molasses, gum turpentine, dark gum rosins, California sardine meal, and feeding tankage at Chicago.

Prices were reduced on domestic casein, J2 myrobalans, codliver oil, domestic egg yolk, medium grades of gum rosin, and cottonseed meal in the Southeast.

The REPORTER's composite index number of prices for heavy and fine chemicals remained at 131.4 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 93.0, compared with 91.1 at this time last year and 88.9 in 1939.

Contents of This Issue

News and Statistics

American-Marietta Promotes Two.. 40
Anderson Heads Phila. Drug Exch. 5
Alcohol-Recovery Tax Exemption Favored ... 3
Anesthetic Gas Marking Approved.. 47
Allied Asphalt Expands... 58
American Can Promotes Two... 51

Bauxite Output Up... 33
Bacchus Leaves Hercules Powder Co. ... 5
Boyer Honored for Plastic Process.. 43
Bureaucracy Reforms Urged... 3
Bristles Not Scarce... 40
British Pharmacists Ask Aid... 56
Bahe Retires ... 51

Chemist Advisers Discuss Financing 3
Corrosion Resistant Cements Described ... 33
Commerce Bureau Under Reorganization ... 5
Calco Marks Anniversary... 37
Chemical Payrolls Gain... 3
Cox Laboratories Formed... 58
Canadian Radium Corp. Leases N.Y. Office ... 56
Chicago Paint Clubs to Meet... 52

Defense Painting Needs Shown... 3
Drug Wage Minimum Urged... 5
Diamond Alkali of Tex. to Make Silicates ... 58

Efficient Association Management Essential (Donovan)... 5
Export Managers to Meet... 5
Emulsified Asphalt Sellers Fined.... 40

Fichtner Heads Economy Unit... 47

Germans Make Cinnamon... 54
Gasoline Pump Makers Indicted.... 4

Habit-Forming Derivatives Named in Law ... 5
Harshaw Names Wensley Chairman 33
Hitchens Promoted by Monsanto.... 38
Hissenhoven Heads Commerce Inst. 46
Hoffmann La Roche Expanding... 63

Jacobs Heads Chlorine Inst... 3

Killeen Honored... 4
Krebs Offers New Pigments... 43

Lacquer Sales Up... 44
Linseed Oil Output Up... 47

McK. & R. Plan Upheld... 5
Magnesium 'Trust' Alleged... 3
Mining Engineers to Meet... 4
Margarin Production Limited in Belgium ... 47
McKendrew Heads Commodity Exchange ... 47
McK. & R. Sues Accountants... 63

N.P.V.L.A. Names Fritsch Southern Vice-President ... 4

Plastic Composition from Coffee.... 3
Paint, Varnish, Lacquer Sales... 43
Polyvinyl Alcohol Resin Hose Offered ... 35
Plastic, Water Paint, Calcimine Sales: 1940 ... 40

Queeny Starts Phosphorus Furnace. 63

Schicktanz to Study Fuels... 4
Soybean Oil Output Down... 47
Spain Studies Filbert Oil... 47
Standard Brands Advances Henke.. 4
Shell Calls Shares... 58

Toilet Goods Ass'n to Meet... 5
Tennant Buys Ohio Plant... 33
Tarler Joins National Seal Corp.... 52

U. S. Guides S. A. Mineral Output.. 4
U.S.P. Vitamin Units Not Applicable to Poultry... 47
Union Carbide Plans Western Plant 38
U. S. Revenue December... 29
Union Potash Advances Rutland.... 60

Vat Dyeing Discussed by Textile Chemists ... 35
Vinylite Held Not Glass... 4

Wetting Agent Symposium Set... 3
Wetting Agents Data Given... 35

Zinsser Heads Charity Drive... 56

General Features

Advertisers' Index... 65
Bids Wanted ... 58
Chemical Price Trends... 4
Classified Advertisements... 64
Closing Market Developments.... 4
Contracts Awarded... —
Corporation Earnings... —
Dividends Declared... —
Editorials ... 30
Foreign Trade Openings... —
Foreign Trade Rules... 62
Industrial Uses of Chemicals... 39
Obituaries ... 60
OPD Forum... —
Prices Current... 7
Scientific, Professional Services... 56
Trade News Briefs... 40, 56
What You Can Use... 47
Where You Can Sell... 39

Market Reports

Botanical Drugs, Spices, Gums... 53
Coaltar Chemicals... 36
Drugs and Fine Chemicals... 49
Dyestuffs, Textile and Leather Chemicals ... 35
Essential Oils and Aromatics... 55
Fertilizer Materials... 59
Heavy Chemicals... 32
Oils, Fats and Waxes... 45
Paint, Varnish and Lacquer Materials ... 41
Petroleum Products... 57

Shipping Information

Cargo Ship Arrivals... —
Charters ... —
Coastwise Shipments... 62
Exports ... 62
Imports ... 61
Imports Detained... 62

Oil, Paint and Drug Reporter, Volume 139, No. 5, February 3, 1941. Published weekly by Oil, Paint, and Drug Publishing Company, Inc., 59 John Street, New York, U. S. A. Telephone: REctor 2-9820. Annual subscription prices:—United States and possessions, Cuba, Mexico, Central America, and South America, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 3, 1879.

E.V. Killeen Honored On 50 Years with Lueders

Edward V. Killeen, papal Knight of St. Gregory, Doctor of Laws, and now retired president of George Lueders & Co., on January 28, 1891—just fifty years ago— went to work for George Lueders as a stenographer. He went to work for one of the greatest merchandizers of essential oils in that period. An exceptional pupil sat under an extraordinary teacher and the employment began one of those rare business relationships in which the talented pupil succeeds, perhaps excells, the master who taught him.

Edward V. Killeen

Mr. Killeen on January 28 last completed fifty years rich in achievement in the essential oil trade. To him was given the privilege of a business life that spanned the entire period in which trade and industry in the United States grew from swaddling clothes to the full grown industrial and commercial colossus of the twentieth century. And on January 27 last, Mr. Killeen was the hon-

—*Continued on page* 54

U.S. Guiding So. Amer. Output of Minerals

OPD Washington Bureau
January 28, 1941

Trained mining engineers of the Department of the Interior have been made available for hemispheric defense, Secretary of the Interior Harold L. Ickes announced today. He disclosed that mineral specialists of the Bureau of Mines have been assigned to South American posts for highly technical work designed to expand the output of strategic materials from Latin-American sources.

Three men already have been dispatched by the Bureau of Mines, Secretary Ickes said. A fourth is to be appointed. The engineers will serve as technical advisers to American embassies and legations in Latin-American countries believed to be capable of supplying this nation with emergency requirements of certain strategic minerals.

The experts, authorized to be appointed by the Bureau, will assist in solving technical problems involved in expanding output from known sources of supply in Latin America, and will advise the regular diplomatic and consular representatives of the United States Government with regard to the immediate and long-range plan of acquiring adequate supplies, in order to insure American industries against avoidable shortages.

N.P.V.L.A. Elects Fritsch Southern Vice-President

W. R. Fritsch, salesmanager for the Kentucky Color & Chemical Company, Louisville, Ky., was elected regional zone vice-president for the Southern zone of the National Paint, Varnish and Lacquer Association, by the executive committee at its meeting January 16.

Wallace F. Bennett of the Bennett Glass & Paint Company, Salt Lake City, Utah, was elected an advisory member of the executive committee.

Habit-Forming Derivatives Named Under U.S. Drug Law

OPD Washington Bureau
January 30, 1941

Regulations designating certain drugs as habit-forming and requiring a special warning label to be used on them were published by the Food and Drug Administration in the *Federal Register* today. A public hearing on the regulations will be held March 3 in the Government Auditorium, presided over by Michael F. Markel of the legal staff of the Federal Security Agency.

The regulations are issued under section 502 (d) of the food, drug, and cosmetic act which gives the Federal Security Administrator authority to designate chemical derivatives of certain listed drugs as habit-forming.

At the same time the Food and Drug Administration issued two proposed amendments to the general regulations under section 502 (d) which will also be discussed by interested parties at the March 3 hearing but which are not subject to sworn testimony as are the specific regulations on derivatives. One of these amendments permits a derivative to be labeled with its common or usual name.

Exemption Conditions

The other adds two new conditions under which a drug containing habit-forming constituents may be exempted from the requirement that it bear a warning label, these being:—

(2) By reason of its containing chlorobutanol used solely as a preservative in a quantity not more than 0.5 percent by weight if such drug is for parenteral use only; or

(3) By reason of its containing chlorobutanol used solely as an analgesic, or as an analgesic and preservative, in a quantity not more than 3.0 percent, if such drug contains one or more other active ingredients and is for parenteral use only.

At the hearing the Food and Drug Administration will call expert witnesses to testify that the named derivatives are habit-forming.

Drugs Called Habit-Forming

The text of the proposed regulation is as follows:

§ 145.1 For the purposes of section 502 (d) of the Federal food, drug, and cosmetic act, each of the chemical derivatives hereinafter listed under its common or usual name, followed in certain cases by its chemical name, is hereby designated as habit forming.

Derivatives of Alphaeucaine

All salts of alphaeucaine formed by the combination of alphaeucaine with any acid. The common or usual name of each such salt is "alphaeucaine" followed by the name of the acid radical combined in such salt (as for example "alphaeucaine sulphate"); except that when the acid is hydrochloric acid, hydrobromic acid, or hydriodic acid, the name which follows is "hydrochloride," "hydrobromide," or "hydriodide," as the case may be.

Derives of Barbituric Acid

Barbital (5,5-diethylbarbituric acid).
Phenolbarbital (5-ethyl-5-phenylbarbituric acid).
Amytal (5-ethyl-5-isoamylbarbituric acid).
Neonal (5-ethyl-5-butylbarbituric acid).
Ipral (5-ethyl-5-isopropylbarbituric acid).
Ortal (5-ethyl-5-hexylbarbituric acid).
Phanodorn (5-ethyl-5-(1-cyclohexenyl)barbituric acid).

—*Continued on page 63*

Commerce Bureau Under Reorganization

OPD Washington Bureau
January 30, 1941

A reorganization of the Bureau of Foreign and Domestic Commerce of the Department of Commerce is under way to make it of greater value to other agencies of the government dealing with problems of national defense and to business men needing information on the defense program.

The activities of the bureau are being regrouped into five major divisions:—(1) research and statistics, (2) industrial economy, (3) regional economy, (4) international economy, and (5) commercial and economic information. The old commodity and service divisions will be fitted into the new organization form without losing their identity, at least for the present, and no changes in personnel are contemplated.

For the time being the important change is in emphasis on the type of work done. Because of the European war it has been found necessary or desirable to drop much of the reporting and research work dealing with exports to Europe, or at least to give them secondary consideration. Instead, the various experts in the bureau will

—*Continued on page 37*

Export Managers to Hear Argentina Trade Problem

The Export Managers Club will hold a luncheon-meeting in the Pennsylvania hotel, this city, February 4. Dr. Carlos Garcia Mata, former commercial attache at the Argentine embassy at Washington, will be the guest speaker. He will discuss the existing problems and the obstacles which must be overcome in order to further trade relations between Argentina and the United States.

T.W. Bacchus Resigns From Hercules Powder

Thomas W. Bacchus has resigned as vice-president and a member of the directorate of the Hercules Powder Company, Wilmington. Mr. Bacchus has been vice-president of the company since its formation in 1913.

Born in Sandbach, England in 1862, Mr. Bacchus received his education there. He joined the Hercules Powder Company as a salesman in 1893 and was made manager of the Hercules Torpedo Company in 1895. He was named vice-president of the Great Northern Manufacturing & Supply Company in 1899, remaining in that capacity until 1902, when he was named superintendent of the Repauno works of E. I. duPont de Nemours & Co retaining that post until 1912 when he was named superintendent of the high explosives department. He continued that post until 1913, the year in which Hercules Powder Company was organized, following the dissolution of the duPont powder trust. Mr. Bacchus, for whom the company's plant in Bacchus, Utah, was named, is credited with inventing a gelatin dynamite machine.

Drug Industry Wage Minimum Of 40 Cents Is Recommended

OPD Washington Bureau
January 30, 1941

A flat minimum wage of 40 cents per hour without any differentials or classifications was recommended today for the drug, medicine, and toilet preparations industry by a special committee for the industry functioning under the machinery of the Federal wage and hour act.

The committee vote on the recommendation was 12 to 6, and the six employer representatives who voted against it probably will file a minority report.

The recommendation was made to Col. Philip B. Fleming, administrator of the fair labor standards act, who will schedule a public hearing on it. Under the law the industry committee had power to recommend a minimum wage above the present statutory minimum of 30 cents but not above 40 cents per hour, or could recommend different minima for various classifications within the industry.

Under the act, all minimum wages must rise to 40 cents per hour by 1945, and the purpose of industry committee recommendations is to bring wages in various industries up to that level during the interim. As a result of this process the 40-cent minimum is in effect in several industries.

The drug, medicine, and toilet preparations industry committee did not recommend any differential for small plants nor for those in the South, and rejected a plea of the toilet goods branch that a lower minimum be set for this branch of the industry than for drug and medicine manufacturers.

Today's recommendation was submitted after a brief open meeting of the committee yesterday at which basic economic data on wage conditions in the industry were presented by officials of the Department of Labor.

The chief material before the committee was compiled from a questionnaire sent to all known manufacturers in the industry by the Bureau of Labor Statistics last Summer. A detailed breakdown of the statistics so gathered was compiled by the Bureau of Labor Statistics, while the Wage and Hour Division submitted an economic analysis of these figures.

The committee, composed of eighteen persons representing employers, employees, and the general public, and headed by Prof. Sumner N. Slichter, of Harvard University, was called to order by Col. Philip P. Fleming, administrator of the fair labor standards act, and was told that it might proceed in any way it saw fit to recommend a minimum wage for the industry above the present statutory minimum of 30 cents per hour, but not above 40 cents per hour. To as-

—*Continued on page 47*

Anderson Heads Phila. Drug Group

Philadelphia, Jan. 31, 1941

The Philadelphia Drug Exchange had its annual dinner last night. Nobody was sure what the number of the event was because none could recall whether the organization had met to dine every year since its foundation in 1861.

Ray G. Anderson

It is a Philadelphia custom not to mix business and pleasure; so, the Philadelphia Drug Exchange does not hold its dinner on the same day as its

—*Continued on page 52*

McK.&R. Trustee Gives Data on Reorganization

Testimony in support of his proposed reorganization plan to rehabilitate McKesson & Robbins, Inc., was given January 27 before Federal Judge Alfred C. Coxe by William J. Wardall, trustee.

His testimony continued on January 28 at which time Mr. Wardall said that arrangements for the current year, if realized, will produce profits justifying dividends of about $2.71 a share on the new common stock to be issued if the proposed reorganization plan is put into operation. In presenting the plan, Mr. Wardall said the assets of the corporation have been appraised at $76,900,000.

Discussing the methods of capitalization contemplated in the plan he has offered, Mr. Wardall said:—

With the war conditions facing us and the uncertainties of the war's aftermath, our capitalization must be very flexible and I believe it is. With the prospect of increased taxation on proprietary medicines and liquors, however, a much larger investment will be required to carry on the same volume of business. And we should raise new capital if the necessity for expansion arises. The plan, I believe, provides for all that.

The trustee also expressed the opinion that McK & R would find it

—*Continued on page 58*

Toilet Goods Ass'n To Meet June 9-10

L. R. Root, of the Scoville Manufacturing Company, has been named chairman of the 1941 convention of the Toilet Goods Association to be held June 9 and 10. The site of the convention is to be selected shortly. Mr. Root also served as chairman of the convention committee in 1940. H. Gregory Thomas, of Bourjois, Inc., has been reappointed chairman of the reception committee.

Effective Association Functioning Essential to Private Enterprise

By John M. F. Donovan, Jr.

III. Types of Service of Value to U.S. Industry

Trade Association Counselor

(*Continued from January 27 issue*)

Some Specific Activities

Trade associations are organizations composed of competitors. They are organizations not only for the purpose of regulating, but also for the purpose of restricting, unfair competition within permissive legal limits. Cooperation among the members of industries through trade associations and their multifarious activities has been accepted as a legitimate field of American business endeavor. That cooperation must not be confused, however, with concerted action which is known in the law as conspiracy.

There are many matters of interest to competitors where cooperation is perfectly legitimate and where cooperation does not involve restriction of competition. There are many services that a trade association can render to its industry's members as a whole without engaging in such unlawful activities as price-fixing, curtailment of production, and division of territory. Trade associations have become established agencies of service for many American industries. They have become permanent factors in business circles and are becoming more of a vital economic force each year because of their characteristic possibilities for public service. Their importance today is based upon the fact that they are vehicles by which individual businesses and commercial units are induced to transcend the point of view of merely private and personal interest.

While trade associations constitute immediately available facilities for influencing and improving the efficiency of legitimate competition, it is important to remember that constant vigilance is essential in order to prevent oppressive and unwise use of these invaluable facilities. The basic and most important function of trade associations is the compilation and dis-

—*Continued on page 63*

POTASSIUM BICARBONATE

Manufactured by MALLINCKRODT
AVAILABLE in TONNAGE QUANTITIES

Mallinckrodt Potassium Bicarbonate is an excellent quality product, fully meeting the U. S. P. specifications. The following physical forms are available for prompt shipment from stock:

POTASSIUM BICARBONATE U.S.P. XI GRANULATED
About No. 30 Mesh

POTASSIUM BICARBONATE U.S.P. XI POWDERED
About No. 80 Mesh

POTASSIUM BICARBONATE U.S.P. XI . . . Finely Granulated
About No. 50 Mesh

POTASSIUM BICARBONATE A. R. GRANULATED

Special meshes available to meet specification of individual manufacturers

Send for samples and prices

Come to the Annual Drug, Chemical and Allied Trade Section Dinner on March 13, 1941 at the Waldorf-Astoria Hotel

Bottle or Barrel
Mallinckrodt Spells Quality

MALLINCKRODT CHEMICAL WORKS

2nd and Mallinckrodt Streets
St. Louis, Missouri

70-74 Gold Street
New York, N. Y.

CHICAGO PHILADELPHIA MONTREAL TORONTO

Current Market Quotations

January 31, 1941

All matter under this heading fully protected by copyright

When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

RECEIVED FEB 3 1941 LIBRARY THE CHEMISTS' CLUB

A

Acacia (see Gum, arabic).
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works..lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works..lb. .50 - —
Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
l.c.l., same terms.....lb. .09 - —
cbys.....100 lbs. 8.12 - 8.37
tanks .....100 lbs. 5.00 - 5.50
USP, bbls.....100 lbs. 10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks .....100 lbs. 5.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
C.P., dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlvd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., s.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib. dms., works....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms.....oz. 2.00 - 2.05
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld...ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton111.00 - —
ton lots, ex whse...ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00- —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .12 - .13
Caproic, dms., works.....lb. .30 - .35
Carbolic (see Phenol).
Caprylic, dms.....lb. .17½- —
Castor oil, split, dms.....lb. .14½- .15½
Chlorosulphonic, d m s., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¼- —
l.c.l., 5 tons, dlvd., N.Y., lb. .15¾- —
smaller quantities, dlvd., N.Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b N.Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10¼- .10¾
Cottonseed oil, dist., dms....lb. .07¼- .07¾
tanks .....lb. .06¾- —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .63 - .65
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U. S..gal. .43 - —
l.c.l., same basis.....gal. .44 - .45
tanks, dlvd., East. U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .49 - —
l.c.l., same basis....gal. .50 - .51
tanks, dlvd., East. U.S.gal. .448 - —
Crotonic, 10 bbls. or more, dlvd..lb. .21 - —
smaller lots, dlvd.....lb. .26 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys.....lb. .11½- —
Fumaric, bbls., 1-ton delivery.. lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N.F. VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - —
5-lb. bots.....lb. 2.63 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, 10% dilute, cby. lb. .20 - —
concentrated, 34%, cby.....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works.. 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19, cbys.....lb. .11 - .12
1 to 4 cbys.....lb. .11½- .12½
Acid, lactic, plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43
Lauric, dist., tech., dms.....lb. .12 - .12½
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .12¾- .13¼
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys, c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., dealers, cbys.....lb. .08½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .06 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .16 - .16½
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min., acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb. 9.00 - —
5-lb. bots.....lb. 9.50 - —
1-lb. bots.....lb.10.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
88°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palmitic, bgs.....lb. .09¾- .10¼
Palm oil, white, dist., dms..lb. .06¾- .07¼
tanks .....lb. .06¼- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys...lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.20 - —
Pyroligenous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08¼- .08¾
Stearic, dist., double pressed, bgs., dlvd..lb. .10 - .11
single pressed, bgs., dlvd..lb. .09½- .10½
triple pressed, bgs., dlvd..lb. .12¾- .13¾
saponif., double pressed, bgs., dlvd..lb. .10¼- .11¼
triple pressed, bgs., dlvd..lb. .13 - .14

Acid, succinic, bbls.....lb. .73 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E, works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E, works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .93 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment.....lb. .51½- —
smaller quantities....lb. .52 - —
kgs. .....lb. .52½- —
Tobias, bbls.....lb. .55 - .60
Trichloracetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite, leaves, bls.....lb. .38 - .42
Root, bls.....lb. .45 - .50
Aconitine, amorph., bots.....oz.23.00 - —
vis. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vis. .....gr. 1.60 - —
Acrylonitrile, dms., c.l.....lb. .34½- —
5,000 lbs. or more.....lb. .35 - —
1 ton to 4,999 lbs.....lb. .35½- —
1 dm. to 1 ton.....lb. .36 - —
tank cars.....lb. .34 - —
Adeps lanae, anhyd., dms.....lb. .19 - .20
hyd., dms.....lb. .17 - .18
Agar, 1, bls.....lb. 1.40 - 1.45
3, bls.....lb. No prices
Agaric, white, bls.....lb. No stocks
Albumen, blood, dark, flake, bags, f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .65 - .68
powd., dms., bbls.....lb. .70 - .75
import, cs. .....lb. .76 - .79
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .121 - —
l.c.l., frt. alld.....lb. .131 - —
tanks, frt. alld.....lb. .111 - —
normal, dms., l.c.l., wks....lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns.....lb. .53 - —
drums .....lb. .53 - —
Butyl, normal, cns., works...lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10¼- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09¼- —
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .08¼- —
l.c.l., same terms.....lb. .08¾- —
tanks, same terms.....lb. .07¼- —
tertiary, denaturing, c. l. c. dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .53 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
Cinnamic, bots.....lb. 2.00 - 2.60
Denatured, CD14, dms., c.l., works, E..gal. .32½- —
l.c.l., works, dms.....gal. .37½- —
tanks, E., works.....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .31½- —
19 bbls., E. works...gal. .33½- —
1 to 18 bbls., E. works, gal. .36½- —
dms., c.l., E. works...gal. .30½- —
19 dms., E. works...gal. .32½- —
1 to 18 dms.....gal. .35½- —
tanks, E. works.....gal. .24½- —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .28½- —
19 dms., works, E....gal. .30½- —
1 to 18 dms., works, E. gal. .33½- —
tanks, E. works.....gal. .22½- —

He *has* to take chances

Tri-Sure

Reg. U. S. Pat. Off.

CLOSURES

A policeman never knows what dangers may be lurking in the shadows of his beat. He accepts peril, risks his life, takes chances as his duty.

Dangers lurk, too, in the path of every product that is shipped in drums. Dangers that may imperil a fine product and a cherished reputation. Yet no chances need be taken. Shipments can be made with safety, with confidence, with no risk to a single drop — in Tri-Sure-equipped drums.

Tri-Sure Closures eliminate all the hazards a shipment can face — tampering, pilferage, substitution, leakage and waste—because the Tri-Sure seal cannot be removed unless it is deliberately destroyed, the Tri-Sure plug is always held tightly in place, the Tri-Sure flange assures complete drainage.

Don't take chances with your next shipment. You don't have to. Ship the *sure* way — the Tri-Sure way — and protect your product, your reputation and your customers. Write today for booklet containing complete information on Tri-Sure Closures.

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

Alcohol, denatured, SD23G, works, E., c.l., dms..gal. .34½- —
19 dms.....gal. .36½- —
1 to 18 dms.....gal. .39½- —
tanks .....gal. .28½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .31½- —
20 dms., to c.l.....gal. .33½- —
1 to 19 dms.....gal. .36½- —
tanks, E works.....gal. .25½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., divd..lb. .09½- —
l.c.l., divd.....lb. .10 - —
tanks, divd.....lb. .03½- —
tech., dms., c.l., divd.....lb. .09 - —
l.c.l., divd.....lb. .09½- —
tanks, divd.....lb. .06 - —
Ethyl, 190 pf., ex. molasses, dms., c.l.....gal. 6.00½- —
10 dms.....gal. 6.04 - —
5 to 18 dms.....gal. 6.07 - —
1 to 4 dms.....gal. 6.07 - —
tanks .....gal. 5.94½- —
absolute, dms., c.l.....gal. 6.35½- —
19 dms.....gal. 6.39 - —
5 to 18 dms.....gal. 6.42 - —
1 to 4 dms.....gal. 6.42 - —
Ethyl alcohol in bbls. 1c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 53,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., divd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0790- —
tanks, same terms.....lb. .0690- —
Isopropyl, refd., 91% dms., 5 gals., f.o.b. dest..gal. .06½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .55 - —
55 gals., c.l., same basis, gal. .38 - .42
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.30 - 3.35
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., divd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .60 - .65
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .42 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - 3.60
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - 3.64
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, U&P, cube cut, bbls., lb. .90 Nom.
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
divd. N.Y., Phil...100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
divd. N.Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
divd. N.Y., Phil...100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, divd. N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
divd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
divd. N.Y., Phila...100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
divd. N.Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, divd...lb. .35 - —
1 to 9, divd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., divd....lb. .33 - —
smaller containers, divd. lb. .45 - —
solut., 25%, bbls., c.l., divd..lb. .09½- —
l.c.l., 10 or over, divd. lb. .11 - —
1 to 9, divd.....lb. .12 - —
normal, pwd., bbls., divd. lb. .22 - —
smaller containers, divd. lb. .35 - —
solut., 20%, bbls., c.l., divd..lb. .03 - —
l.c.l., 10 or over, divd. lb. .03½- —
1 to 9, divd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
Alumina, chloride, cryst., com'l, dms, c.l., works.... .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., divd..lb. .13 - —
l.c.l., divd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., divd.....lb. .12 - —
l.c.l., bgs., divd.....lb. .12½- —
bbls., c.l., divd.....lb. .12½- —
l.c.l., bbls., divd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., divd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs..lb. .37½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs..lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .35 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .45 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.15.00 -25.00
Aminoethylpropanol, dms., works..lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., divd..lb. .27 - .33
dms., divd.....lb. .23 - .26
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va.....ton.90.00 - —
refrigeration, tanks, works, lb. .65 - —
pure, cycls., divd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02¼- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs., or less.....lb. .42 - —
Bicarbonate, dms., divd., Met. N.Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .33 - —
Carbonate, lump, dms., divd., Met. N.Y..lb. .03¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech., (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .18
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bis., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works, unit-ton. 1.55 & .79
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Jan.-June shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
Ammonia, sulphide, red, 48%, cbys., works..lb. .03 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .03 - —
dms., works .....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, oaks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .11½- —
l.c.l., divd.....lb. .12 - —
tanks, divd.....lb. .10½- —
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .115 - —
l.c.l., frt. alld.....lb. .125 - —
tanks, frt. alld.....lb. .10½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import., natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .23 - .23½
Cyprus, bgs.....lb. .23½- .24
Mexican, bgs.....lb. .23 - .23½
Star .....lb. .23 - .24
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%.. lb. .16 - —
Chinese, black, 70%.....lb. .26 Nom.
Oxide, bgs., c.l., divd.....lb. .12 - .18
l.c.l., divd.....lb. .13½- .14½
Salt, 65%, dms.....lb. .28 - —
bbls. .....lb. .30 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots.oz. 5.25 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. 2.00 Nom.
Root, bls.....lb. .55 - .57
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03½- —
l.c.l. .....lb. .04½- —
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l., (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons) Canad. mines—ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l., (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b. N.Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton.30.00 - —
l.c.l., f.o.b. N. Y.....ton.39.00 - —
B, bgs., c.l., f.o.b. N. Y...ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.32.00 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. est., refinery..gal. .13 - —
dms., c.l., E. est., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 6.75 - 7.50
Sulphate, bots.....oz. 5.45 - 6.50

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No Prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.42.00 - —
precip., bgs., c.l., works..ton.45.00 - —
l.c.l., works.....ton.50.00 - —
bbls., c.l., works.....ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. .45 Nom.
Chloride, CP, cryst., bbls....lb. .23 - —
tech., dom., cryst., bgs., c.l., Zone 1, divd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis ton.90.00 - —
bbls., same basis...ton.92.00 - —
Zone 2, bgs., c.l., divd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis...ton.96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis...ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis...ton.102.00 - —
Zone 4, bgs., c.l. divd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.86.00 - —
l.c.l., bgs., same basis..ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .05½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.63 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .08½- .10¼
Oxide, ungrd., dms., c.l., works. lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis. ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York....ton.31.50 - —
Southern off color, bulk mines, ton.12.00 - —
95.75%, bulk mines.....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a...ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a...ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .16
Belladonna leaves, bls.....lb. 1.75 - 1.80
Root, bls.....lb. 2.00 Nom.
Bentonite, 200 mesh bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .50
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, cms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minneapolis, Colo..gal. .14 - —
Benzoyl chloride, cbys.....lb. .25 - .29
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.s., f.f.c., cans..lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb.16.75 -17.25
Hydrochloride, cns.....lb.16.75 -17.25
Sulphate, cns.....lb.16.75 -17.25
Berberis root, bls.....lb. .12 - .18
Betanaphthol, sublim., kgs.....lb. .80 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.18 - —
Subcarbonate, bots., cns.....lb. 1.83 - 2.00
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.09 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.00
fib. dms.....lb. 1.66 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.96 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.85
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 60-66%, bots..lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —

Bis. Sulphocarb.—China Clay

Bismuth, sulphocarbolate, 5-lb. bots..lb. 2.61 - —
5lb. dms.....lb. 2.80 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns.....lb. 3.46 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 2.40 - —
5-lb. cns.....lb. 2.45 - 2.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., bgs., c.l., frt .alld. E. lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03075- —
f.o.b. North Atlantic ports..lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
dlvd..lb. .07025- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic ports..lb. .02925- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525- —
dlvd..lb. .06525- —
bulk, cars, c.l., f.o.b. plants, lb. .02½- —
f.o.b. New York harbor..lb. .0363- —
All carbon black prices are for delivery in August-September.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08½- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .35 - .36
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .26
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -80.00
pulp, 60¾%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.65
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.75 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 3.00 - —
import, bgs., c.l.f. ports, ship..unit-ton. 2.50 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .90
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .32 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 2.75 - —
Victoria, kgs.....lb. 3.15 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs. 1c. above bbls., 25-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs..lb. 1.67 - 1.84
powd., cns., dms.....lb. 1.60 - 1.68
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 -32.00
import, bgs., c.l.f. ports..ton.32.00 -32.50
Bone, meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.33.00 -35.00
import, bgs., c.l.f. ports..ton.31.50 - —
Phosphate, recip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 68-70% phos., bgs., c.l.f. ports...ton.37.50 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
bgs., c.l., frt. alld...ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.34.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., ca., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11½- —
Metallic, iron oxide, bbls., wks. lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .06½- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .12½- —
5, bbls., same basis....lb. .10½- —
6, bbls., same basis....lb. .09½- —
7, bbls., same basis....lb. .09 - —
8, bbls., same basis....lb. .08½- —
9, bbls., same basis....lb. .08 - —
10, bbls., same basis....lb. .08 - —
11, bbls., same basis....lb. .07½- —
12, bbls., same basis....lb. .07 - —
13, bbls., same basis....lb. .06¾- —
14, bbls., same basis....lb. .06½- —
raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .13½- —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .12½- —
4, bbls., same basis....lb. .10½- —
5, bbls., same basis....lb. .10½- —
6, bbls., same basis....lb. .09½- —
7, bbls., same basis....lb. .09½- —
8, bbls., same basis....lb. .08 - —
9, bbls., same basis....lb. .07½- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .05¾- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04½- —
St. Louis.....lb. .05 - —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles, Portland, San Francisco, Seattle..lb. .05¾- —
Boston.....lb. .04¾- —
Chicago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis.....lb. .0535- —
Pittsburgh.....lb. .05 - —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .62 - .65
Buckthorn bark, true, bls.....lb. No prices
cut and sifted, bbls....lb. .80 - .85
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .35 - .40
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks. lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld...lb. .09½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .06½- —
dms., l.c.l., same terms..lb. .08¾- —
tanks, same terms.....lb. .07¼- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l. works...lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l.....lb. .22 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks.....lb. .15½- —
Stearate, dms.....lb. .23½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, comL, 16-34°, tanks, group 3..gal. .02¼- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single, jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., dlvd...lb. 2.00 - —
25-lb. cks., dlvd.....lb. 2.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cans.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms..lb. 2.63 - —
25 lb. dms.....lb. 2.66 - —
10 lb. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. dms.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10 lb. cns..lb. 3.15 - —
5 lb. cns.....lb. 3.10 - 3.25
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .30
Calamus root, peeled, N. F., cs., lb. No prices
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l.....lb. .06¾- —
Southern cotton states, dms., c.l..lb. .06 - —
l.c.l.....lb. .06½- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse,100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-80%, dms., c.l., dlvd..ton.30.50 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms.....lb. .55 - .67
cns.....lb. .65 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.15 - 2.30
fluffy, dms.....lb. 2.00 - 2.15
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports. ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt. unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs.lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs..lb. .82 - .83
slabs, cs.....lb. .82 - .83
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran.,powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .0330- .0350
Morocco, bgs.....lb. .04 - .04½
Turkish, bgs.....lb. .0340- .0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 2.95 - 3.00
powd., bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .45½- .46
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
96%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl (see Amyl alcohol, tertiary).
Isobutyl (see Alcohol, isoamyl).
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .06½- —
l.c.l., frt. alld.....gal. .75 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 53½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Carbon, tetrachloride, Zone 3, 52½-gal. dms., c.l., frt. alld. gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.15 - 1.50
decorticated, cs.....lb. .90 Nom.
green, Ceylon, afloat, bgs...lb. .95 - .96
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .15 - .16
Case - hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Cassia, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .12½- .13½
5 tons, works.....lb. .13 - .14
smaller lots, works.....lb. .13½- .14
80-100 mech, bgs., c.l.....lb. .12⅝- .13⅝
5 tons, works.....lb. .13½- .14½
smaller lots, works.....lb. .13⅝- .14½
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12½- —
80-100 mesh, bgs., c.l., duty paid..lb. .12½- .13¾
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .16½- .17
No. 1, regular, bls.....lb. .16 - .16½
shortsticks, bls.....lb. .12½- .12⅝
broken, bls.....lb. .10½- .11
China, buds, bags.....lb. .12 - .12½
Rolls, select, bls.....lb. .11 - .11½
broken, extra, bls.....lb. .09¾- .10¼
Saigon, No. 1, 4-10-4, bls....lb. .18½- .19¼
10-6-2, bls.....lb. .19¼- .19¾
all thin, bls.....lb. .21 - .21½
Cassia fistula, bskts.....lb. .15 - .16
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y..ton.61.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.l.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .65 - .67
Indian.....lb. .35 - .38
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% bntyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alldlb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs, works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs, works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs, works.....lb. .46 - —
Acetate - propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs, works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs, works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs, works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. 1.00 - 1.25
Roman, bls.....lb. 2.00 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.46 - —
Colo.....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis..ton.27.00 - —
Indiana.....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia....ton.26.00 - —
Kansas, El Paso, Tex., ton.26.00 - —
Michigan.....ton.32.80 - —
Ohio.....ton.32.80 - —
Penn.....ton.34.80 - —
Utah.....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02¼- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.50 - —
200 mesh, bgs., c.l., works..ton.8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —

China clay, import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton. 18.00 -25.00
powd., cks., l.c.l., ex whse., ton. 45.00 - —

Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs. lb. .96 - 1.05
100 lbs. lb. .98 - 1.07
25 lbs. lb. 1.00 - 1.09
1-10 lbs. lb. 1.05 - 1.12
dms., 1,000 lbs. lb. .90 - —
500 lbs. lb. .93 - —
100 lbs. lb. .95 - —

Chlorinated rubber, standard, c.l., ctns., works. lb. .32 - —
100 lbs., ctns. lb. .35 - —
smaller lots. lb. .38 - —

Chlorine, liq., cyls., c.l., dlvd., N. Y. lb. .05¼- —
contracts, dlvd., N. Y. lb. .05¼- —
l.c.l., dlvd., N. Y. lb. .07¼- —
tanks, single units, works, frt. equald. 100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt., equald., 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.40 - —
1, works, frt. equald., 100 lbs. 2.90 - —

Chloracetophenone, tins, works. lb. 3.00 - 3.50

Chloroform, tech., 650-lb. dms. lb. .20 - —
100-lb. dms. lb. .22 - —
50-lb. dms. lb. .23 - —
USP, 650-lb. dms. lb. .30 - —
100-lb. dms. lb. .32 - —
50-lb. dms. lb. .33 - —

Chloropicrin, com'l, 150-lb. cyls., frt. alld. lb. .80 - —
100-lb. cyls., frt. alld. lb. .85 - —
25-lb. cyls., works. lb. 1.00 - 1.15
1-lb. bot., case 12, works. lb. 1.25 - —

Chrome acetate, powd., 24%, bbls., dlvd. lb. .13½- —
solut. 8½%, cs., bbls. lb. .05¾- —
Cake, bulk, c.l., works. ton. 16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs. lb. .45 - —
scale, dms., 100 lbs. lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, carome).

Chrysarobin, 5-lb. bot. lb. 5.00 - —

Cinchona bark, quill, USP, 10 in., medium, cs. lb. .85 - .90
20 in., thick, cs. lb. .85 - .90
20 in., medium, cs. lb. .85 - .90
USP, broken quill, red, bgs., lb. .20 - .21
yellow, bgs. lb. .20 - .21

Cinchonidine, small crys., cns., 100 ozs. oz. .89 - —
Sulphate, N.F., cns. 100 ozs. oz. .53 - —

Cinchonidine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs. oz. .62 - —
large cryst., cns. 100 ozs. oz. .66 - —
Sulphate, N.F., cns. 100 ozs. oz. .42 - —

Cinchonine buyers must pay a surcharge of 7c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.60 - —
1 and 5-lb. bots. lb. 3.70 - 3.80
100 lbs., dms. lb. 3.50 - —

Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys. lb. .85 - .90

Cinnamon, Ceylon, 2 bls. lb. .15¾- .16¼
3 bls. lb. .15½- .16

Citral, bots., cns. lb. 1.40 - 3.10

Citrine ointment, jars. lb. .95 - .97

Citronellal, bots., dms. lb. .75 - .80

Citronellol, bots., dms. lb. 1.60 - 1.85

Clove, Amboyna, bgs. lb. .23 - .23½
Madagascar lb. .16¼- .16¾
Zanzibar lb. .16 - .16½

Clover tops, red, bgs. lb. .35 - .40
dom., bgs. lb. .30 - .35

Coaltar, coal-gas, crude, bbls., c.l., works. bbl. 7.50 - 7.75
l.c.l., works. bbl. 8.25 - 8.50
tanks, works. gal. .07½- .09
refd., bbls., c.l., works. bbl. 8.00 - 8.25
l.c.l., works. bbl. 8.75 - 9.00
tanks, works. gal. .08½- .10
water-gas, crude, dms., c.l., works. dm. 7.50 - —
l.c.l., works. dm. 8.25 - —
refd., dms., c.l., works. dm. 8.00 - —
l.c.l., works. dm. 8.75 - —

Cobalt acetate, bbls., kgs., dlvd., lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works. lb. .83 - —
Hydrate, bbls. lb. 1.98 - —
Linoleate, paste, 5%, dms. lb. .31 - —
solid, 8½%, bbls. lb. .33 - —
Oleate, bbls. lb. .25 Nom.
Oxide, black, kgs. lb. 1.84 - —
Resinate, fused A, bbls. lb. .13½- —
1 %, cobalt oxide, bbls. lb. .13 - —
2 %, cobalt oxide, bbls. lb. .14 - —
3½%, cobalt oxide, bbls. lb. .17½- —
precip., dms., dlvd. lb. .34 - —
Sulphate, dms. lb. .05 - —

Cocaine, hydrochloride, 100 ozs., cns. oz. 9.75 - —

Cochineal, gray, bgs. lb. .37 - .38
Teneriffe, silver, bgs. lb. .38 - .39

Cocoa butter, bulk, c.l., bgs. lb. .18¼ Nom.

Cociliana bark, bgs. lb. .25 - .30

Codeine, cns., 100 ozs. oz. 11.70 - —
Hydrochloride, cns., 100 ozs. oz. 10.50 - —
Phosphate, cns., 100 ozs. oz. 9.00 - —
Sulphate, cns., 100 ozs. oz. 9.50 - —

Codliver oil (see Oil, codliver).

Cohosh, black, root, bls. lb. .07 - .08
Blue, root, bls. lb .07 - .08

Colchicine, bots., cns. oz. 22.00 -25.00

Colchicum seed, bgs. lb. 2.50 Nom.

Collodion, USP, dms., 325 lbs. lb. .12¾- —
cns., 25 lbs. lb. .16 - —
flexible, USP, dms., 320 lbs. lb. .14½- —
cns., 25 lbs. lb. .18 - —

Colocynth pulp, bls. lb. .55 - .60

Colombo root, bls. lb. .15 - .16

Coltsfoot leaves, bgs. lb. .35 - .40

Condurango bark, bgs. lb. .11 - .12

Conium leaves, bls. lb. .30 - .32

Copaiba balsam, Para, cns. lb. .25 - .26
S.A., USP, cns. lb. .27 - .28

Copper acetate, normal, bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .24 - —
Carbonate, 52-54%, bbls. lb. .16½- —
Chloride, cryst., bbls. lb. .16 - —
Cyanide, tech., bbls. lb. .34 Nom.
Iodide, bots. lb. 5.15 - 5.19

Copper, metal, electrolytic. lb. .12 - —
Nitrate, cryst., bbls. lb. .16¼- —
Oleate, precip., bbls. lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works. lb. .15 - —
Red, com'l, 89-89%, kgs., f.o.b. N.Y. lb. .20½- —
Resinate, precip., bbls. lb. .15 - .16
Sulphate, 99% cryst., bbls., c.l., f.o.b. works. 100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.10 - —
1-5 bbls., same basis, 100 lbs. 5.35 - —
monohydrated, dms., c.l., dealers, f.o.b. works. 100 lbs. 9.20 - 9.55
l.c.l., dealers. 100 lbs. 10.30 -10.65

Copperas, cryst., gran., bgs., c.l., works. ton. 17.00 - —
bbls., c.l., works. ton. 20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.85 - —
1-4, works. 100 lbs. 2.00 - —
bulk, c.l., works. ton. 14.00 - —

Copra, Coast, ship. lb. .0180 Nom.

Coriander, bgs. lb. .06¾- .07¼
bleached, bgs. lb. .09 - .09½

Corn sugar, tanners', chipped, bgs., c.l., dlvd. 100 lbs. 3.93 - —
slabs, bbls., c.l. 100 lbs. 3.31 - —
solid, bbls., c.l. 100 lbs. 3.43 - —
Syrup, 42°, bbls., c.l. 100 lbs. 3.42 - —
43°, bbls., c.l. 100 lbs. 3.47 - —

Cornsilk, bls. lb. .15 - .16

Corrosive sublimate, cryst., dms., 50 lbs. or more. lb. 2.19 - —
gran., powd., dms., 50 lbs. or more. lb. 2.04 - —

Cottonroot bark, bls. lb. .10 - .11

Cottonseed, hull ash, 32-36% pot-ash, bgs., dlvd. unit-ton. 1.00 - —
meal, 8%, Southeast, mills. ton. 28.50 -29.00

Coumarin, 5 lbs., or more, 25-lb. cns. lb. 2.75 - 3.00
5-lb. cns. lb. 2.85 - 3.10
1-lb. cns. lb. 3.00 - 3.25
1-oz cns. lb. 3.35 - 3.60
less than 5 dms., cns. lb. 4.15 - 4.65

Cramp, bark, genuine, bls. lb. .23 - .24
so-called, bls. lb. .06 - .07

Cranesbill root, bls. lb. .10 - .18

Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .42½- —
smaller lots, bbls. lb. .43 - —
kgs. lb. .43½- —

Creosote, beechwood, bots. lb. No prices
hardwood, USP, bots. lb. .45 - .47
Pine, dms. gal. .28 - —
Carbonate, bots., cbys. lb. 1.90 - 2.20
Oil, crude, tanks, works. gal. .11½- .14¼
Coaltar, solution, tanks, works, gal. .122 - .125
refd., bbls., l.c.l., works. gal. .25 - —
tanks, works. gal. .18 - .18¼

Cresol, USP, dms., c.l., works. lb. .09¾- —
l.c.l., same basis. lb. .10¼- —
special resin grade, dms., c.l., works. lb. .08¾- —
l.c.l., same basis. lb. .09¼- —

Crotonaldehyde, 97%, 55 and 110 gal., c.l., works. lb. .11 - —
l.c.l, works. lb. .12 - —
5 and 10 gal. dms., works. lb. .15 - —

Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C. lb. .19 - .21
4% rotenone prices are 3c. per lb less.

China Clay—Derris Root

Cubeb berries, XX, bgs. lb. .39 - .41
powd., cs. lb. .45 - .47

Culver's root, bls. lb. .16 - .17

Cumin seed, Morocco, bgs. lb. .19 - .19½
Cyprus, bgs. lb. .19 - .19½
Persian, bgs. lb. .16¾- .17¼

Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid. lb. .04½- —

Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N. unit-ton. 1.40 - —

Cyanide-chloride, mixture, 45%, gran., dms. lb. .10¾- —
lump, dms. lb. .09¾- —
75%, gran., dms. lb. .15 - —

Cychlohexane, 98-100%, dms., works. lb. .16 - —

Cyclohexanol, 98-100%, dms., works. lb. .23 - —

Cyclohexanone, 98-100%, dms., works. lb. .32 - —

D

Damiana leaves, bls. lb. .16 - .17

Dandelion root, German, bls. lb. .75 - .80

Decanol, normal, tech., 360 lbs. dms., dlvd. lb. .35 - —

Deertongue leaves, bls. lb. .12 - .14

Degras common, dom., bbls. lb. .08 - .08¼
neutral, dom., bbls. lb. .13½- .16½

Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y. lb. .21 - .23
4% rotenone prices are 3c. per lb. less.

They Started Something!

WHEN VOLTA constructed the first electric cell, he brought into existence a convenient, economical source of electric energy which has found countless applications. The principle of the Voltaic cell forms the basis of the modern dry cell, and paved the way for the invention of the storage battery. Nor was the value of Volta's work limited to the field of electricity. In his search for the most effective combination of metals for the production of electrical energy, he discovered the arrangement of elements in the electro-chemical series—an arrangement that plays a part in many chemical reactions, and led to far-reaching developments in the science of chemistry.

When EBG engineers first made Liquid Chlorine commercially available in this country, their work also was destined to result in advances in widely diversified fields. In safeguarding the public health, municipal authorities found EBG Liquid Chlorine an exceptionally effective means for purifying water and limiting the spread of water-borne diseases. In the increasingly important field of sewage sterilization, EBG Liquid Chlorine is playing an outstanding part in preventing and abating pollution of rivers and harbors. And in the paper and textile industries, it has made possible new standards of efficiency and economy in bleaching processes.

The first cylinder of Liquid Chlorine made by EBG in 1909.

Pioneers in the production of Liquid Chlorine, EBG engineers have long years of experience in its manufacture and servicing. Let their experience work to *your* advantage — specify EBG Liquid Chlorine when you buy.

ELECTRO BLEACHING GAS COMPANY
Main Office: 60 East 42nd Street, New York, N.Y.
Plant: Niagara Falls, N.Y.

EBG Liquid Chlorine
FIRST IN THE COUNTRY

Derris Extract—Glue, Bone

Derris, extract, 25% rotenone, bulk, cns..lb. 3.50 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.05 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.60 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
Potato, import, bgs.....lb. No stocks
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .078 - —
Oxalate, dms., l.c.l., works..lb. .80 - —
Phthalate, dms., c.l., divd...lb. .21 - —
l.c.l., divd.....lb. .21½- —
tanks, divd.....lb. .20 - —
Sulphide, dms., l.c.l., works.lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .088 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton.22.00 -25.00
l.c.l. ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard.....ton.35.00 -39.00
l.c.l., ex whse.....ton.55.00 -60.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .06 - —
l.c.l., ex whse.....lb. .10 - .16
import, bgs., c.l., c.i.f....ton. No prices
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., divd...lb. .19 - —
l.c.l., divd.....lb. .19½- —
tanks, divd.....lb. .18 - —
cns., works.....lb. .25½- .26½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (See Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .22½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylaniline, dms.....lb. .40 - —
Diethylcarbonate, comL., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Oxalate, dms., l.c.l., divd....lb. .27 - —
Phthalate, dms., c.l., frt. alld, lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .23½- .24¼
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Diethylformamide, dms.....lb. .70 - —
Diethylsulphate, dms.....lb. .40 - —
Digitalis leaves, dms.....lb. .35 - .40
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works.lb. .19 - —
Dilleaed, recleaned, bgs.....lb. .08 - .08½
Dimethyl phthalate, dms., c.l., divd..lb. .16½- —
l.c.l., divd.....lb. .19 - —
tanks, divd.....lb. .17½- —
Dimethylaniline, dms., c.l.....lb. .32 - —
l.c.l., dms.....lb. .34 - —
Dimethylamine, dms., c.l., divd.lb. 1.00 - —
l.c.l., divd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls., 80° min..lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .32 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluoiguanidin, dms., 2,000 lbs. or over, divd..lb. .44 - —
600-1,950 lbs., divd.....lb. .46 - —
150-450 lbs., divd.....lb. .47 - —
Dioxan, dms., c.l., frt. all'd....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns....lb. .50 - .55
Diphenylamine, bbls.....lb. .35 - —
Diphenylguanidin, dms., 2,000 lbs., or over, divd..lb. .35 - —
600-1,950 lbs., divd.....lb. .36 - —
150-450 lbs., divd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 2.00
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton.32.00 - —
Venezuelan .....ton.35.00 - —
Dogwood root, cut, N.F., bls..lb. .60 - .65
Dogwood bark, Jamaica, bls.le.lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .95 - .95
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1 cns..lb. 12.50 - —
FD&C blue, No. 2, cns....lb. 12.50 - —
FD&C green, No. 3, cns....lb. 17.50 - —
FD&C green, No. 3, cns....lb. 27.50 - —
Green, FD&C green, No. 1, cns, lb. 12.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.05 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —

Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Yellow, FD&C yellow, No. 1, cns..lb. 3.50 - —
FD&C yellow, No. 3, cns...lb. 2.65 - —
FD&C yellow, No. 4, cns...lb. 2.65 - —
FD&C yellow, No. 5, cns...lb. 3.15 - —
FD&C yellow, No. 6, cns...lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 3.35 - —
Blue, D&C blue, No. 6.....lb. 13.50 - —
Brown, D&C brown, No. 1, cns, lb. 12.35 - —
Green, D&C green, No. 5, cns, lb. 12.35 - —
D&C green, No. 6, cns.....lb. 12.35 - —
Orange, D&C orange, No. 5, cns...lb. 3.35 - —
D&C orange, No. 4, cns...lb. 13.35 - —
D&C orange, No. 10, cns...lb. 15.85 - —
D&C orange, No. 11, cns...lb. 17.35 - —
Red, D&C red, No. 8.....lb. 4.00 - —
D&C red, No. 17.....lb. 4.35 - —
D&C red, No. 18.....lb. 13.35 - —
D&C red, No. 19, cns.....lb. 13.35 - —
D&C red, No. 22, cns.....lb. 4.35 - —
D&C red, No. 33.....lb. 12.35 - —
D&C red, No. 37, cns.....lb. 13.35 - —
Yellow, D&C yellow, No. 7, cns, lb. 3.35 - —
D&C yellow, No. 8, cns....lb. 3.35 - —
D&C yellow, No. 11.....lb. 10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns, lb. 12.35 - —
Green, Ext.D&C green, No. 1, cns...lb. 12.35 - —
Red, Ext.D&C red, No. 1, cns...lb. 10.35 - —
Ext.D&C red, No. 3.....lb. 21.35 - —
Ext.D&C red, No. 5.....lb. 7.35 - —
Ext.D&C red, No. 10, cns...lb. 12.35 - —
Ext.D&C red, No. 12, cns...lb. 12.35 - —
Yellow, Ext.D&C yellow, No. 1, cns...lb. 3.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
52 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .50 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, powd....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .20 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
206 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .35 - .50
385 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
352 Direct scarlet B.....lb. 1.50 - 1.75
357 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .50 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
561 Direct black BW.....lb. .22 - .50
583 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .85 - 1.00
630 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
613 Primulin .....lb. .50 - .53
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .20 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
865 Nigrosin derivatives..lb. .32 - .62
Blue:—
1075 Alizarin astrol base...lb. 15.00 - —
1078 Alizarin cyanin green base...lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1060 Anthraquinone violet base...lb. 6.00 - —
686 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
464 Nigrosin .....lb. .38 - .44
Blue:—
660 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base..lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS....lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S.lb. .50 - —
673 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
720 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .67 - —
900 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y.....lb. .65 - —
235 Resorcin dark brown R, lb. .60 - —
321 Bismarck brown G....lb. .40 - .52
323 Bismarck brown R....lb. .50 - .52
736 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
*662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .52 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .57 - —
27 Orange G.....lb. .50 - —
151 Orange I.....lb. .20 - —
161 Orange R.....lb. .24 - —
51 Amidonaphthol red G..lb. .42 - —
87 Amidonaphthol red 6B, lb. .62 - —
79 Popeau R.....lb. .45 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
262 Brilliant crocein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 2.50 - —
753 Rhodamine 6G.....lb. 4.00 - —
768 Eosin G.....lb. 1.80 - —
941 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .68 - —
Yellow:—
10 Naphthol yellow S....lb. .68 - —
128 Metanil yellow.....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .59 - .60
imported .....lb. .56 - .59
Elder flowers, bright, bls.....lb. .72 - .75
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz. 22.00 -23.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, U.S.P. hemihydrate, tins, 1,000 oz...oz. .70 - —
100 ozs.....oz. .80 - —
anhyd., dms., 1,000-oz. lots.oz. .75 - —
100-oz. lots.....oz. .85 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .55 - —
tins, 100-oz. lots.....oz. .65 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .53 - —
tins, 100-oz. lots.....oz. .65 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 1.55 - 1.60
Esserine, bots.....oz. 50.00 -60.00
Salicylate, bots.....oz. 42.00 -54.00
Sulphate, bots.....oz. 42.00 -54.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., divd.....lb. .23 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., 310 lb. dms., lb. .11 - —
cns., 27 lbs.....lb. .14 - —
Synth., dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks .....lb. .08 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½- —
95-98%, dms., c.l., frt. alld.lb. .07¾- —
l.c.l., frt. alld.....lb. .08¼- —
tanks, frt. alld.....lb. .06¾- —
N.F., 400-lb. dms.....lb. .10 - —
cns., 35 lbs.....lb. .14½- —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55-gal. dms., divd., lb. .35 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., divd....lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½- —
5-gal. dms., works.....lb. .37½- .39¼
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
5,000 lbs. or more, frt. alld., lb. .47 - —
500 lbs. or more, frt. alld., lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0698- —
West of Rockies, same basis..lb. .0743- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0746- —
West of Rockies, same basis..lb. .0792- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .18½
tanks .....lb. .12½- —
Monobutylether, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11¾- —
l.c.l., dms.....lb. .12¾- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .78 - .80
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works..ton. 14.00 -17.50
l.c.l., minimum 2 tons..ton. 17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton. 12.75 -16.25
pottery, bulk, Me., works...ton. 17.00 -19.00
N. C., works.....ton. 17.00 -19.00
l.c.l., minimum 2 tons.ton. 20.00 -22.00
Fennel seed, Argentine, bgs...lb. .16 - .16½
Indian, bgs.....lb. .13½- .14
Indian, bgs.....lb. .12 - .12½
German, large, bgs.....lb. .33 Nom.
Roumanian, bgs.....lb. .11½- .12
Fenugreek seed, bgs.....lb. .04½- .05
Ferric, sulphate, anhyd., c.l., works..ton. 35.00 - —
l.c.l. .....ton. 40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal. 16.00 - 16.50
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. No prices
meal, bgs., f.o.b. Balto.....ton. 58.00 -59.00
6-7% ammon., 3% phosphor. acid, bulk, So. Atlantic factories, contracts....unit-ton. 2.50 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Jan. shipt..ton. No prices
spot...ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, French, black, bgs...lb. .55 - .60
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton..29.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines.net ton. 20.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton. 20.00 - —
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines...ton. 15.00 - —
import, bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., divd., lb. .16 - .17½
Fustic extract, cryst., bbls.....lb. .24 - .25
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .06¼- .07
plantation, cases.....lb. .09¼- .11½
Cubes, Singapore, cases....lb. .08½- .09
extract, bbls.....lb. .09¼- .12
Gasoline at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .05½- .06¼
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .13½- —
Gulf Coast, US motor, 70-72 octane, tanks, ex tax..gal. .03¼- .03½
Louisiana-Arkansas, US Motor, 72-74 octane, tanks, ex tax..gal. .04½- .04¾
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax, gal. .04½- .04¾
natural, 18-55, tanks....gal. .02¾- .02¾
26-70, tanks.....gal. .02 - .02¾
Gelatine, silver, cs.....lb. .60 - .67
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .50 - .55
grd., bbls., bxs.....lb. .54 - .59
powd., bbls., bxs.....lb. .55 - .60
Geraniol, cns., dms.....lb. .60 - 2.00
Ginger, African, No. 1, bgs....lb. .07¼- .07¾
Cochin, lemon, bgs .....lb. No stocks
Jamaica, bold, bgs.....lb. .14 Nom.
medium, bgs.....lb. .13½ Nom.
grinding, bright, bgs.....lb. .13 Nom.
Japanese, bgs.....lb. No stocks
Ginseng root, wild Southern, cs, lb. 12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works, 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 56 jelly-grams, bgs., c.l., divd..lb. .14 - —
l.c.l., divd.....lb. .14½- —
86/58 bgs., c.l., divd.....lb. .13½- —
l.c.l., divd.....lb. .14 - —
58/82 bgs., c.l., divd.....lb. .15 - —
l.c.l., divd.....lb. .15½- —
82/108 millipose, bgs., c.l., divd..lb. .15½- —
l.c.l., divd.....lb. .16 - —

Glue, hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd. East Middlewest, lb. .17 - —
l.c.l., same basis.....lb. .17½- —
60/164, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19 - —
67/122, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20 - —
75/222, bgs., c.l., same basis..lb. .22½- —
l.c.l., same basis.....lb. .23½- —
88/251, bgs., c.l., same basis, lb. .23½- —
l.c.l., same basis.....lb. .24½- —
92/285, bgs., c.l., same basis, lb. .24½- —
l.c.l., same basis.....lb. .25½- —
102/315, bgs., c.l., same basis..lb. .25½- —
l.c.l., same basis.....lb. .26 - —
113/347, bgs., c.l., same basis..lb. .26 - —
125/379, bgs., c.l., same basis..lb. .27 - —
l.c.l., same basis.....lb. .28 - —
Glue prices for barrel packing, ¼c. lb higher; grinding charge, 20-40 mesh, ¼c. lb.; 60 mesh, 1c. lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12½- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, bases 88%, for industrial users, special colors, dms. returnable, c.l., dlvd..lb. .09½- —
l.c.l., same basis....lb. .10¼- —
tanks .....lb. .06¼- —
for refiners, dms., returnable, tanks, dlvd..lb. .08½- .08¾
soaplye, basis 80%, dms., tanks, returnable, dlvd..lb. .07½- .07¾
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dmc.....lb. .22 - —
Phthalate, dms.....lb. .25 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots...oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs.....lb. .16 - .16¼
Goldenseal, root, bls.....lb. 2.65 - 2.70
powd., bxs.....lb. 2.95 - 3.00
Grains of paradise, bgs.....lb. .40 - .41
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03¼- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house.....lb. .04½ Nom.
white .....lb. .05 Nom.
yellow .....lb. .04½ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
Blue content, 11-15%, bbls., same basis..lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ¼c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis, lb. .06¼- —
11-13%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis. lb. .08¾- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11⅛- —
34-35%, bbls., same basis, lb. .12⅛- —
36-40%, bbls., same basis, lb. .14½- —
41-45%, bbls., same basis, lb. .16½- —
46-50%, bbls., same basis, lb. .16¾- —
51-55%, bbls., same basis, lb. .17⅛- —
56-60%, bbls., same basis, lb. .17⅜- —
61-65%, bbls., same basis, lb. .18¼- —
66-70%, bbls., same basis, lb. .19¼- —
71-75%, bbls., same basis, lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .35 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Tetrahydroxide, bbls.....lb. .58 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 2.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .00 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fb. dms., 25 lbs...lb. 2.40 - 2.74

Gum, guarana, powd., cs.....lb. 1.20 - 1.25
Gum, gum aloe (see A).
Ammoniac, tears, cs. .....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .14 - .15
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .18 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.65 - 1.75
Sumatra, cs.....lb. .19 - .20
Camphor (see C).
Chicle, prime, 35% moisture, bgs., ton lots..lb. No prices
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices on 20,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
2, water white, bgs., c.l., same basis.....lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis.lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .23½- —
6, pale amber bold, bgs., c.l., same basis.....lb. .21¼- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 -
Gum, copal, Congo, 9, medium light amber bold, bgs., c.l., same basis..lb. .13½- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .18½- —
11, hard dark amber bold, bgs., c.l., same basis.lb. .12½- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11½- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23½ -
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10½- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18½- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18½- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12½- —
22 small mixed nubs, bgs., same basis..lb. 10½- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11⅞- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17⅜- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10⅜- —
27, pale small nubs., bgs., c.l., same basis..lb. .10¼- —
Gum, copal, congo, 28, pale dust, bgs., c.l., same basis..lb. .00½- —
Batu, bold scraped, bgs., c.l., same basis..lb. .06¼- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis, lb. .05½- —
dust, bgs., c.l., same basis, lb. .05½- —
nubs and chips, bgs., c.l., same basis..lb. .05½- —
black, bold, scraped, bgs., c.l., same basis..lb. .06¾- —
unscraped, bgs., c.l., same basis..lb. .06¾- —
nubs and chips, bgs., c.l., same basis..lb. .06½- —
Hiroe Macassar, pale bold, bgs., c.l., same basis..lb. .12¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis. lb. .05½- —
nubs, bgs., c.l., same basis. lb. .15¼- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis. lb. .08¼- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis. lb. .11 - —

RCI

No. 3000 SUPER

BECKACITE

Type . . . . . Pure Phenolic
Color . . . . . I-H
Acid Number 85-105
Melting Range . . . 275°-295° F.

FAST DRYING
GASPROOFING EFFICIENCY
EXTREME DURABILITY

More than any other pure phenolic resin, No. 3000 Super Beckacite imparts drying speed to varnish formulations.

Of equal, if not greater importance to formulators, is the ability of this outstanding synthetic resin to gasproof large volumes of China wood oil at low temperatures. No. 3000 is also ideally adapted to the formulation of water and weather resistant finishes of all kinds.

Manufacturers are finding in the RCI complete line of synthetic resins the answer to practically every formulating requirement. For more complete information on No. 3000 Super Beckacite or any other RCI synthetic write:

REICHHOLD CHEMICALS INCORPORATED
DETROIT MICHIGAN

Gum, Copal—Iodoform

Gum, copal, Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13½- —
light, bskts., c.l., same basis..lb. .15½- —
Loba A, bskts., c.l., same basis..lb. .11½- —
Loba, B, bskts., c.l., same basis..lb. .11½- —
C, bskts., c.l., same basis. lb. .11½- —
CNE, bskts., c.l., same basis..lb. .08½- —
D, bskts., c.l., same basis. lb. .12½- —
DK, bskts., c.l., same basis. lb. .08 - —
dust, bskts., c.l., same basis..lb. .08 - —
Sambas and white split chips, bskts., c.l., same basis..lb. .15½- —
Singapore, dust, bskts., c.l., same basis..lb. .06 - —
Spirit-soluble, CBB, bskts., basis..lb. .10½- —
DBB, bskts., c.l., same basis..lb. .10 - —
MA, bskts., c.l., same basis. lb. .07½- —
MB, bskts., c.l., same basis. lb. .07¼- —
WS, bskts., c.l., same basis. lb. .10 - —
A/D, cs., c.l., same basis. lb. .13½- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .03 - —
chips, pale, bskts., c.l., same basis..lb. .11½- —
pale, small, bskts., c.l., same basis..lb. .09 - —
extra pale sorts, bskts., c.l., same basis..lb. .10½- —
nubs, bskts., c.l., same basis..lb. .13½- —
scraped, bskts., c.l., same basis..lb. .14½- —
seeds and dust, bskts., c.l., same basis..lb. .08½- —
Pontianak, bold, genuine bgs., same basis..lb. .15½- —
mixed, bgs., c.l., same basis. lb. .14½- —
split, bgs., c.l., same basis. lb. .13½- —
chips, bgs., c.l., same basis. lb. .10 - —
nubs, bgs., c.l., same basis. lb. .12½- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21½- —
A/C, cs., c.l., same basis.lb. .15½- —
A/E, cs., c.l., same basis.lb. .12½- —
B, cs., c.l., same basis...lb. .20½- —
C, cs., c.l., same basis...lb. .14½- —
D, cs., c.l., same basis...lb. .13½- —
dust, cs., c.l., same basis.lb. .07½- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis...lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16½- —
2, cs., c.l., same basis....lb. .12½- —
3, cs., c.l., same basis....lb. .07½- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07½- —
seeds, cs., c.l., same basis.lb. .00½- —
Elemi, cns., c.l., same basis as copal..lb. .06½- —
Kauri, dms., divd., New England, N. J., eastern N. Y. and Pa., Del. and Md. 75,000 lbs., contrs. or single shipt., 10,000 lbs. .....lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
divd. Western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va. and N. C., 75,000 lbs., contrs. or straight, c.l..lb. .06¾- .07
divd. elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07½
l.c.l. same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.05 - 1.10
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .09 - —
BX, cs., c.l., same basis..lb. .33 - —
B1, cs., c.l., same basis..lb. .29 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .13½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.60
Myrrh, USP, cs.....lb. .45 - .50
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .25
Opium (see O).
Rosin (see R).
Sandarac, cks.....lb. .50 - .55
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....250 lbs.15.00 -15.25
Tragacanth, Alleppo, 1 cs....lb. 2.80 - 2.10
2 cs.....lb. 2.45 - 2.60
3 cs.....lb. 2.10 - 2.20
Yucca, bgs.....lb. .03½- .04

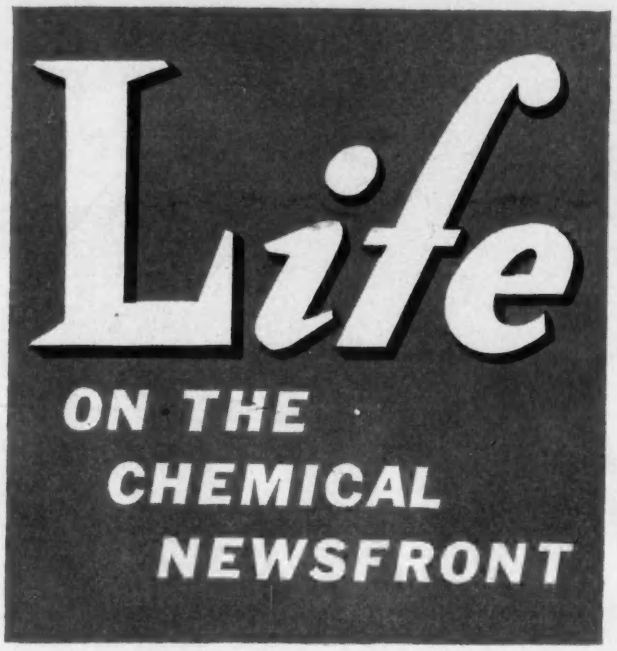
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.18.00 - —
New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Gypsum, stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southerd, Okla.; Sweetwater, Tex.; frt. equald., ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .53 - .55
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .06½- .06¾
Henbane leaves, bls.....lb. 1.75 Nom.
Henna leaves, bls.....lb. .20 - .22
powd., bbls., hxs.....lb. .25 - .27
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .06½- —
normal, 86-100°, dms., c.l., Group 5..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .28 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., divd., Group 3..gal. .24 - —
l.c.l., 5 or more, divd, Group 3..gal. .29 - —
1-5, divd., Group 3.....gal. .33 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexano', dms., l.c.l., works....lb. .25 - —
Homatropine hydrobromide, 25 cs. bots..oz.15.00 -15.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit 2.70 - 2.80
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .15 - .16
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, both., 4 cs...oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama canal..lb. .16 - .16¼
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.65.00 -75.00
Hydrochloride, bots.....oz.65.00 -75.00
Hyoscyamine, bots.....oz.21.25 -22.25
Hydrobromide, bots.....oz.21.25 -22.25
Sulphate, bots.....oz.21.25 -22.25
Hypernic, ext. liquid, 50°, bbls. lb. .14 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16¼- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse, Staten Island...lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —



(*Right*) **NEW ELECTRON MICROSCOPE** at Cyanamid's Stamford Laboratories is the first instrument of its type to be put to commercial use in industrial research. Developed by RCA, the electron microscope permits useful enlargement up to 100,000 diameters, compared with a practical limit of 2,000 diameters with the conventional optical microscope, and thus opens up vast new possibilities for scientific research. The microscope will be employed by Cyanamid in the development of new chemicals for industry, and in broadening the scope of knowledge of existing materials and processes in the many industries served by Cyanamid, including the fields of flotation agents, synthetic resins, colloids, rubber chemicals, textile treatment, and chemicals for the leather and paper industries.

(*Above*) **16th ANNUAL BANQUET** of the Drug, Chemical and Allied Trades Section of The New York Board of Trade will be held on March 13 at the Waldorf-Astoria in New York. Photo is of the 1940 banquet, which is expected to be surpassed in attendance and popularity by the 1941 gathering.

(*Right*) **PLASTICIZED WOOD** is one of the newest developments to come from the Department of Agriculture's Forest Products Laboratory. When refractory woods such as oak are soaked in a concentrated solution of urea and then dried, it was found that they can be bent, twisted and compressed at a temperature of 212° F., with the wood still in a dry condition. On cooling, the wood resumes its normal rigidity, remaining in the shape into which it was formed.

Ionone, alpha, bots.	lb.	2.75 - 2.90
Alpha, extra, bots.	lb.	3.75 - 3.80
beta, bots.	lb.	3.10 - 3.15
beta, bots.	lb.	2.90 - 2.95
Ipecac root, bgs.	lb.	1.10 - 1.15
powd., bxs.	lb.	1.25 - 1.30
Irish moss, ordinary, bls.	lb.	.25 - .26
powd., 80-90 mesh, bbls.	lb.	.35 - .38
prime bleached, bls.	lb.	.32 - .35
Iron acetate, N. F., IV, 100-lb. cbys.	lb.	.15 - —
djns., 50 lbs.	lb.	.16 - —
liquor, bbls., c.l., dlvd.	lb.	.03 - —
l.c.l., dlvd.	lb.	.04 - —
Chloride (ferric), tech., anhydr., 300-lb. dms.	100 lbs.	4.65 - 6.25
150-lb. dms.	100 lbs.	5.00 - 6.00
cryst., bbls., works, frt. alld. or equald.	lb.	.05 - .06
kegs, works, frt. alld. or equald.	lb.	.07½- .09
liquor, cbys., works, frt. alld. or equald.	lb.	.05 - .06
USP X, cryst., bbls.	lb.	.07½- —
kegs	lb.	.08½- —
solut. cbys., works, frt. alld. or equald.	lb.	.06½- .07
djns.	lb.	.07½- —
Citrate, USP VIII, pearls	lb.	.72 - .75
powd., cns.	lb.	.84 - .87
scales, cns.	lb.	.77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots	lb.	3.15 - —
smaller lots	lb.	3.25 - —
cns., 25 lbs.	lb.	3.37 - —
Hypophosphite, cns.	lb.	1.55 - 1.60
Iodide, bots.	lb.	3.18 - 3.32
syrup, djns.	lb.	.39 -
bots.	lb.	.53 -
Nitrate, red, tech., dms.	lb.	.03½- .04
Iron, oxalate, powd., kgs.	lb.	.47 - —
cns.	lb.	.52 - —
scales, cns.	lb.	.53 - .56
Oxide (see Black, Red, etc.).		
Phosphate, ferric, pearls, cns., 50 lbs.	lb.	.54 - —
25 lbs.	lb.	.57 - —
scale, cns., 50 lbs.	lb.	.59 - —
25 lbs.	lb.	.62 - —
ferrous, 200-lb. bbls.	lb.	.35 - —
25-lb. bxs.	lb.	.40 - —
100-lb. kgs.	lb.	.37 - —
Pyrophosphate, pearls, cns.	lb.	.59 - .62
scales, cns.	lb.	.64 - .67
Reduced, 90%, cs.	lb.	.65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).		
Sulphate, USP, cryst., 275-lb. bbls.	lb.	.04½- —
dms., 100 lbs.	lb.	.06½- —
Iron-ammonia citrate, brown, gran., cns.	lb.	.35 - .36
pearls, cns.	lb.	.35 - .38
scales, cns.	lb.	.47 - .50
green, gran., cns.	lb.	.35 - .38
pearls, cns.	lb.	.35 - .36
scales, cns.	lb.	.47 - .50
Oxalate, bxs.	lb.	.30 - —
fib. dms.	lb.	.23½- —
kgs.	lb.	.25½- —
Iron-potash oxalate, bbls.	lb.	.42 - —
kgs.	lb.	.44 - —
jars	lb.	.48 - —
Iron-soda oxalate, bxs.	lb.	.30 - —
fib. dms.	lb.	.23½- —
kgs.	lb.	.25½- —
Isobutylacetate, 83 - gal. dms., works.	lb.	.07¾- —
tanks, works.	lb.	.06¾- —
Propionate, dms., works.	lb.	.09¼- —
Isopentane, 50-gal. dms., single, works.	gal.	.45 - —
10-gal. dms., single, works.	gal.	.55 - —
Isophorone, dms., works.	lb.	.25 - —
Isopropylamine, dms., works.	lb.	.35 - —
Isopropanol (see Alcohol, isopropyl).		
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld.	lb.	.11 - —
55 gals., c.l., E. of Rockies, frt. alld.	lb.	.07½- —
55 gals., l.c.l., E. of Rockies, frt. alld.	lb.	.08 - —
tanks, E. of Rockies, frt. alld.	lb.	.06½- —
Alcohol (see Alcohol).		
Ether, dms., 5 gal., frt. alld., gal.		.55 - —
55 gals., c.l., E. of Miss., frt. alld.	gal.	.35 - —
55 gals., c.l., W. of Miss., frt. alld.	gal.	.39 - —
l.c.l., E. of Miss., frt. alld., gal.		.44 - —
tanks, E. of Miss., frt. alld., gal.		.35 - —
W. of Miss., frt. alld., gal.		.39 - —

J

Jaborandi leaves, bls.	lb.	.11 - .12
Jalap root, NF, bls.	lb.	.28 - .31
powd., bbls., bxs.	lb.	.30 - .32
resin, lump, 100-lb. lots, cns.	lb.	5.85 - —
powd., bxs.	lb.	5.90 - —
Juniper berries, bgs.	lb.	.60 - .80

Ionone—Lead, White

K

Kamala, tins.	lb.	.30 - .32
Kaolin (see China clay).		
Kava kava root, bls.	lb.	.14 - .16
Kerosene at refinery:—		
Bayonne, 41-43 w.w., tanks,	gal.	.0530- —
California (f.o.b. San Francisco) truck	gal.	.11½- —
Gulf ports, p.w., bulk	gal.	.07½- —
Louisiana - Arkansas, 41-43 w.w., bulk	gal.	.03¾- .04¼
Oklahoma-Texas, 41-43 w.w., tanks	gal.	.03¾- .04¼
Pennsylvania, 45 w.w., tanks,	gal.	.05 - .05¼
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd.	ton.	No prices
Kola nuts, bgs.	lb.	.08 - .09

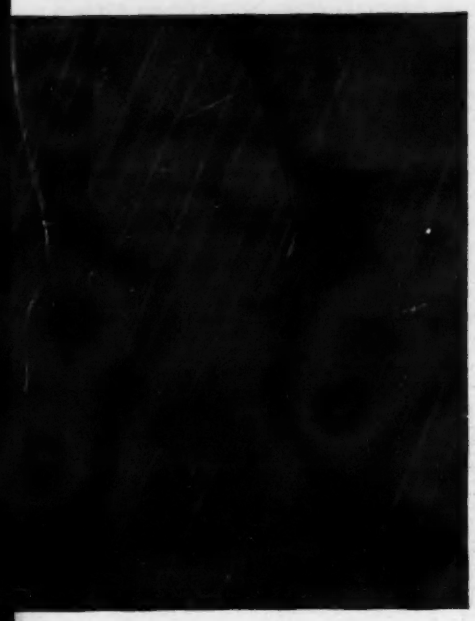
L

Lady slipper root, bls.	lb.	.36 - .37
Lanolin (see Adeps lanae).		
Lard, city, tubs	100 lbs.	6.50 - 6.60
Middlewestern, trcs.	100 lbs.	5.85 - 5.95
Neutral, trcs.	100 lbs.	7.50 - 7.75
Western, choice, trcs.	100 lbs.	5.90 - 6.00
Compound, trcs.	100 lbs.	8.75 - 9.00
Larkspur seed, bgs.	lb.	1.60 - 1.70
Laurel berries, bls.	lb.	.25 - .26
Leaves, Greek, bls.	lb.	.30 - .32
Turkish, bls.	lb.	No stocks
Lavender flowers, ordinary, bls.	lb.	.50 - .55
medium, bls.	lb.	.55 - .60
select, bls.	lb.	.65 - .70
Lead acetate, white, broken, bbls.,	lb.	.11 - —
cryst., bbls.	lb.	.11 - —
gran., bbls.	lb.	.11¾- —
powd., bbls.	lb.	.11¾- —
Arsenate, bgs., c.l.	lb.	.09 - .09¼
l.c.l., bgs.	lb.	.09½- .10

Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.

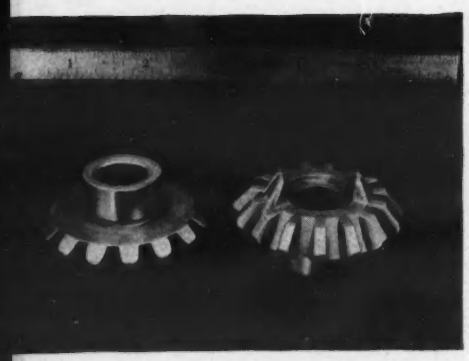
Blue, basic sulphate, bbls., c.l., dlvd. E.	lb.	.06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.06¼- —
l.c.l., dlvd. E.	lb.	.06½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07 - —
Carbonate (see Lead, white).		
Chloride, pure, bots., 5 lbs.	lb.	.62 - —
fib. dms., 25 lbs.	lb.	.40 - —
Iodide, NF V, powd., 5-lb. bots.,	lb.	2.60 - —
jars	lb.	2.55 - —
Linoleate, pale, precip., dms.	lb.	.19 - —
Metal (see daily quotations in market report).		
Metallic, paste, 200-lb. cont., f.o.b. works	lb.	.10 - —
5-lb. cont., f.o.b. works	lb.	.22 - —
Nitrate, bbls.	lb.	.11 - .14
Oleate, bbls.	lb.	.18½- .20
Peroxide, powd., bbls., tech.	lb.	.23 - —
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.06¼- —
other points.	lb.	.06 - —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash.	lb.	.06¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.06¼- —
Colo., Mont., N. Mex., Wyo.	lb.	.06- —
other points.	lb.	.06½- —
smaller lots, Ala., etc.	lb.	.06¾- —
Ariz., etc.	lb.	.06¾- —
Colo., etc.	lb.	.06½- —
other points.	lb.	.06 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc.	lb.	.06½- —
other points.	lb.	.06¾- —
l.c.l., 5 tons, dlvd., Ala., etc.	lb.	.06 - —
Ariz., etc.	lb.	.06¼- —
Colo., etc.	lb.	.06¼- —
other points.	lb.	.06¾- —
smaller lots, dlvd. Ala.	lb.	.06½- —
Ariz., etc.	lb.	.10 - —
Colo., etc.	lb.	.06¾- —
other points.	lb.	.06¼- —
98%, Pb_3O_4, bbls., c.l. (20 tons, dlvd., Ala., etc.	lb.	.06¾- —
other points.	lb.	.06½- —
l.c.l., 5 tons, dlvd., Ala., etc.	lb.	.06¼- —
Ariz., etc.	lb.	.06¾- —
Colo., etc.	lb.	.06½- —
other points.	lb.	.06 - —
smaller lots, dlvd., Ala., etc.	lb.	.06¾- —
Ariz., etc.	lb.	.10¼- —
Colo., etc.	lb.	.10 - —
other points.	lb.	.06½- —
in oil, 95% min., 100-lb. kgs.,	lb.	.12¼- —
Resinate, fused 15%, bbls.	lb.	.09½- —
pale, bbls.	lb.	.11¼- —
Silicate, bgs., 5 tons.	lb.	6.35 - —
smaller lots.	lb.	6.80 - —
Stearate, bbls.	lb.	.25 - —
Sulphate (see Lead, white basic sulphate).		
Titanate, bgs. or bbls., c.l. (20 tons), works, frt. alld.	lb.	.10½- —
l.c.l., 5 tons, one delvy., E. frt. alld.	lb.	.10½- —
Pac. Cst., ex whse.	lb.	.10½- —
smaller lots, E. frt. alld.	lb.	.10¾- —
Pac. Cst., ex whse.	lb.	.10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo.	lb.	.07¾- —
other points.	lb.	.07½- —
l.c.l., dlvd., Ariz., etc.	lb.	.08 - —
other points.	lb.	.07¾- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc.	lb.	.06¾- —
other points.	lb.	.06½- —
l.c.l., dlvd., Ariz., etc.	lb.	.07 - —
other points.	lb.	.06¾- —
in oil, 100-lb. kgs., consumers,	lb.	.12¾- —
dealers	lb.	.10¾- —
painters	lb.	.11¾- —

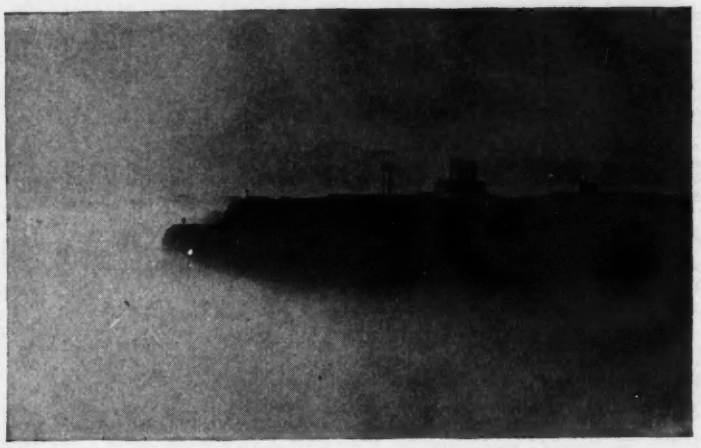
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.



(*Above*) **THIS REMINDS US** of the weather and that it's February which brings the snow. It also gives us an opportunity to tell you that Cyanamid's Aerosol* Wetting Agents are being used in varnishes for rubber to *prevent water-spotting* due to condensation caused by the rapid evaporation of the solvents.

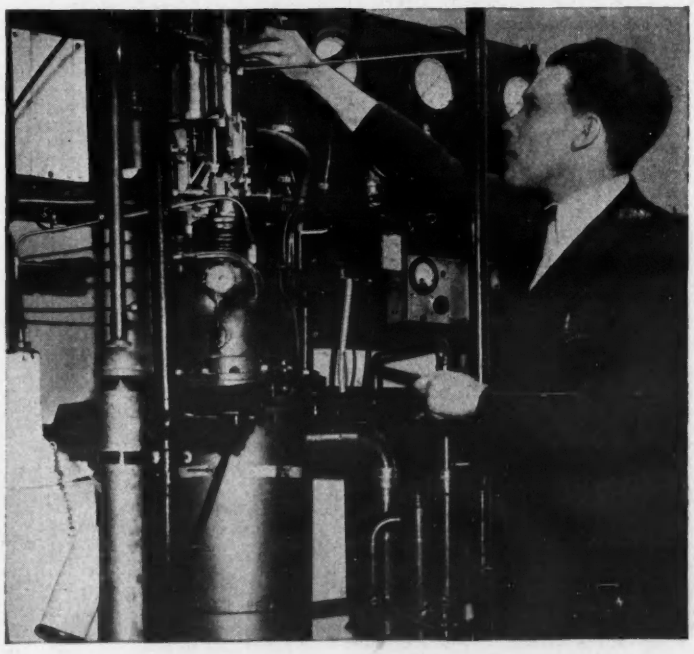
(*Below*) **RAPID HARDENING** of steel parts, such as the gears illustrated, to depths ranging from .005 to .030 inch, is made possible by the use of Cyanamid's AEROCASE** and AEROCARB** Case Hardening and Carburizing Compounds. Utilizing the two-component principle, Aerocase and Aerocarb allow a continuous flow of work, assist in meeting current defense demands for faster production, offer means of obtaining uniformity of results at low operating cost.





(*Above*) **FOG AT AIRPORTS,** one of the greatest obstacles to aviation progress, may soon be dissipated by chemical means if current experiments prove successful. Of many methods now under consideration, one of the most promising is said to consist in spraying a solution of sulphur chloride into the fog.

(*Below*) **LOW-COST LIQUID HELIUM** is promised by process developed by Professor C. T. Lane at Yale. Method is expected to make larger quantities of liquid helium available in a relatively short time, at lower cost, and to simplify the study of properties of materials at extremely low temperatures.



American Cyanamid & Chemical Corporation
A Unit of American Cyanamid Company
30 ROCKEFELLER PLAZA NEW YORK, N. Y.
*Trade-mark of American Cyanamid & Chemical Corporation applied to wetting agents of its own manufacture.
**Trade-mark of American Cyanamid & Chemical Corporation applied to case hardening compounds of its own manufacture.

Lecithin—Mica

Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same l.c.l., same basis..lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .87½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 .15
Licorice extract, mass, cs....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .12 .13
select, bdls., cs.....lb. .50 - .60
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 6.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va...ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 7.00 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va...ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rimcon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 8.00 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Mina.....ton.10.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va...ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Inland, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-36 dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd., gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd. gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. Y., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.75 - 3.30
Linalyl acetate, cns.....lb. 3.20 - 4.25
Linden flowers, with leaves, bls.lb. .45 - .50
without leaves, bls.....lb. .50 Nom.
Linseed cake, bgs., export...ton.21.00 - —
meal, bgs.....ton.24.50 - —
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07¼- —
Other points.....lb. .07 - —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
Colo., Mont., N. Mex., Wyo..lb. .08 - —
Other points.....lb. .07¼- —
smaller lots, dlvd., Ala..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .09¼- —
Other points.....lb. .08 - —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.98 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05¼- —
smaller lots.....lb. .05½- —
bbls., c.l., (20 tons).....lb. .05¼- —
smaller lots.....lb. .05¾- —
ordinary, bgs., c.l. (20 tons)..lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0435- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .20 - .21
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10¼- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .45½- .46
Batavia, cs.....lb. .23 - .23½
Siauw, cs.....lb. .30 - .31
West Indian, cs.....lb. .31 - .33
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¾- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09½- —
kgs. .....lb. .10¾- —
Other points.....lb. .08 - —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l., shipments, frt., equald., with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .18 - —
flake, dem., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls., lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphate, cns., 100 lbs.lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., ctns., c.l....lb. .23 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .45 - —
cs. 500-lb. lots.....lb. .43 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .63 - —
Magnesite, cal., dom., bgs....ton.65.00 -70.00
Imports, bgs., duty paid...ton.70.00 Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash...ton.22.00 -25.00
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
½, 4 tons, works.....ton.79.50 - —
Manganese, Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works.....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works.ton.79.75 - —
paper bgs., c.l., works.ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 3½%, bbls..ton. .08½- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd, ton lots, works..lb. .10¼- —
single bbls., works.....lb. .10¾- —
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd.,South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.34.00 - —
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.80 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .98 - —
smaller lots, works.....lb. .45 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .90 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .56 - .58
Tunisan, bls.....lb. .33 Nom.
Chilean .....lb. .11 - .11½
Menthol, natural, Chinese, cs..lb. 3.75 - 3.85
Japanese, cs.....lb. 4.00 - 4.10
synthetic, USP, cs.....lb. 3.65 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd. .....lb. 4.05 - 4.10
Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yelow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
Mercury, oxide, yellow, dom., shld. Zone 1..bbls..lb. 2.66 - —
USP, fib. dms., 50 lbs. or more..lb. 2.18 - —
Mercury and chalk, 5-lb. ctns..lb. 1.98 - —
25-lb. fib. dms.....lb. 1.86 - 1.88
Mesityl oxide, cns., works.....lb. .20½- —
dms., c.l., dlvd.....lb. .19 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5¼x5½ in....pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in. pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3¾x5½ in.....pkg.22.50 -23.00
3¾x5½ in.....pkg.24.50 -25.00
silver, 3¾x3¾ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .65 - —
Methanol, natural, producer group A, denat., grade tanks...gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

Methanol, natural, producer group B, pure, tanks, frt. alld. Zone 1..gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1.....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
l.c.l., Zone 1.....gal. .38 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —

group B, 95%, frt. alld., prices 2c. less than pure, all zones.

97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R...lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss. R...lb. .11 - —
W. of Miss. R.....lb. .12 - —
Methyl acetate, 97-99%, tanks, dlvd. E. of Miss. R..lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E. of Miss. R...lb. .07 - —
W. of Miss. R.....lb. .09 - —
l.c.l., dlvd., E. of Miss. R...lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd., E. of Miss. R., lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld...lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .32 - —
dms., c.l., same basis...gal. .37½- —
l.c.l., same basis...gal. .40 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B producers, tanks, Zone 1.gal. .32 - —
Zone 2.....gal. .34 - —
Zone 3.....gal. .36 - —
Zone 4.....gal. .36½- —
dms., c.l., Zone 1.....gal. .37½- —
Zone 2.....gal. .39½- —
Zone 3.....gal. .41½- —
Zone 4.....gal. .43½- —
l.c.l., Zone 1.....gal. .40 - —
Zone 2.....gal. .47½- —
Zone 3.....gal. .44 - —
Zone 4.....gal. .55½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Synthetic, tanks, zone 1....gal. .34 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .45½- —
dms., c.l., zone 1.....gal. .36 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .48 - —
l.c.l., Zone 1.....gal. .37 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .48½- —

Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 90, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 2.75 - 3.25
Formate, dms.....lb. .80 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms, c.l., works, lb. .47 - —
2,000 lbs. or more, works, lb. .50 - —
100 to 1,999 lbs., works..lb. .55 - —
to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - .07¼
l.c.l., same terms.....lb. .07½- .08
tanks, same terms.....lb. .06 - .06¼
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.50
imp., bots.....lb. 3.10 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh., containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh., containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works..lb. .02½- —
100 lbs., works..lb. .03 - —
refined, bgs., extra and returnable, c.l., works, ton.20.00 - —
l.c.l., 5,000 lbs. works, ton.30.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs. works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works...lb. .02½- —
500 lbs., works...lb. .03 - —

RECEIVED FEB 3 1941 LIBRARY

ADVERTISEMENT—*This entire page is a paid advertisement.*

Prepared Monthly by U. S. Industrial Chemicals, Inc.

U.S.I. CHEMICAL NEWS

February ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1941

New Uses Uncovered For Diethyl Oxalate In Lubricating Oils

U.S.I. Product is Utilized to Inhibit Corrosion, Dewax Oils

BERKELEY, Calif.—A novel field of application for diethyl oxalate in the manufacture of lubricating oils has been revealed by two patents issued to inventors here.

One of the two patents covers the use of diethyl oxalate as a corrosion inhibitor in lubricating oils, particularly those compounded with metallic naphthenates to inhibit piston ring sticking. Oils of this type, according to the inventors, are frequently found to have undesirable corrosive effects on many bearing alloys. The addition of 1% of diethyl oxalate, it is said, proves highly effective in inhibiting corrosion.

Corrosion tests conducted by the inventors

(*Continued on next page*)

Solox Used as Solvent For Mold Facing Binder

WILMINGTON, Del.—An air-drying wash for mold faces and cores can be prepared by dissolving one pound of binder in one gallon of Solox, U.S.I.'s proprietary alcohol-type solvent, it is reported here by the manufacturer of the binder. Denatured ethyl alcohol may also be used as the solvent.

When this solution is sprayed on mold faces or cores and allowed to air-dry, a smooth hard surface results, it is claimed. It is said that the binder acts to cement the grains of sand, thus reducing the tendency to cuts and washes when the metal enters the mold. If a more refractory surface is required, two quarts of dry plumbago or other refractory per gallon of wash may be suspended in the mix, according to the binder manufacturer.

Foundry molds are improved by treating the faces or cores with a solution of binder in Solox.

Rainy-Day Writing Paper

BUITENZORG, Java — Waterproof paper, on which it is possible to write even in pouring rain, can be prepared by treating the paper with a mixture of latex, finely powdered glass, and a creaming agent, it has been reported by an investigator here.

While the paper is not well adapted to ink, it can be easily written on with pencil and can be used for printing or typing, it is claimed.

Wider Market for "DRY-ICE" Seen in New Industrial Fields

Treatment of Oils and Pigments, Refrigerated Shipments, Shrink Fits of Metal Parts Among Rapidly Growing Applications

Uncovery of new industrial uses and extention of existing ones are combining to broaden the market for "DRY-ICE"* (solid carbon dioxide). Originally known chiefly as an excellent refrigerant for keeping ice cream chilled, "DRY-ICE" has in the last few years become an invaluable industrial tool, employed in a wide variety of manufacturing processes. Some of these applications depend on the low temperature of "DRY-ICE"; others employ it as a convenient source of carbon dioxide gas.

Among the most novel applications of "DRY-ICE" is its use in the treatment of raw materials in manufacturing plastics, paints, lacquers, and printing inks. According to recent findings, it is particularly useful in treating chemicals that are subject to the deteriorating effects of oxidation. In the treatment of linseed oil, for example, it is reported that carbon dioxide, sublimed from "DRY-ICE" and released, has the double effect of preventing oxidation and of effecting a desirable agitation of the liquid.

"DRY-ICE" can be easily handled with tongs.

Recent information discloses that "DRY-ICE" is also employed in the dry grinding and mixing of pigments for paints, lacquers, and printing inks, where the "DRY-ICE" is often ground in the mill together with the pig-

*Manufactured and supplied by Pure Carbonic, Incorporated, an associated company of U.S.I.

(*Continued on next page*)

Prevents Coated Sheets From Sticking Together

WILMINGTON, Del.—The tendency of lacquered sheets of paper or metal foil to cling together can be eliminated by using a coating containing a small amount of sodium lauryl sulfate, it is claimed in a patent granted to an inventor here.

A typical lacquer is described as having the following proportions:

	Parts
Nitrocellulose	69.2
Dibutyl phthalate	30.0
Sodium lauryl sulfate	0.8

A suitable solvent mixture is said to consist of:

	Per cent
Butyl acetate	20
Ethyl acetate	25
Butyl alcohol	5
Toluol	50

Reports on Compatibility of Resins with Cellulose Acetate

BROOKLYN, N. Y.—Tests recently conducted here indicate that cellulose acetate is completely compatible with Accroides, almost completely compatible with Elemi, Sandarac, and Mastic, it is reported.

Acetone and dioxan were said to be suitable solvents for the resin-acetate mixtures.

Drug Trades Banquet March 13

NEW YORK, N. Y.—The 16th Annual Banquet of the Drug, Chemical and Allied Trades Section of the New York Board of Trade will be held at the Waldorf-Astoria in this city on March 13. Reservations should be made as early as possible.

Shrink fits for metal parts and refrigeration of perishable goods are among the widening applications for "DRY-ICE," which has established itself as a valuable industrial tool.

ADVERTISEMENT—*This entire page is a paid advertisement.*

February ★ **U.S.I. CHEMICAL NEWS** ★ 1941

Reduces Casein Foaming With Aliphatic Alcohols

NEWTON, Mass.—Foaming in casein paints and similar compositions can be reduced or prevented by the addition of one of the lower aliphatic alcohols, such as amyl or butyl, according to a patent granted to an inventor here. The alcohol-containing compositions flow freely, retain their adhesive properties, and remain stable for long periods of time, it is claimed.

A typical composition is said to have the following proportions:

	Parts
Casein	100
Sodium fluoride	10
Borax	15
Water	500
Pigment	855
Butyl alcohol	40

Amyl Alcohol and Butyl Alcohol are produced by U.S.I.

Diethyl Oxalate Uses

(*Continued from previous page*)

demonstrate the value of diethyl oxalate as an inhibitor, it is reported. For example, test strips of a copper-lead bearing alloy, immersed for 224 hours at 200° F. in a Western oil compounded with 1% aluminum dinaphthenate, showed a weight loss of .0733 gram. When 1% diethyl oxalate was added to the oil, weight loss under the same conditions was only .0049 gram, it is said. In the case of a similarly compounded Eastern oil, it is claimed that the diethyl oxalate addition reduced weight loss from .2758 gram to .0359 gram for a copper-lead alloy, and from .1389 to .0005 for a cadmium-silver alloy.

According to the inventors, the ester addition also improves the color and appearance of used compounded oils, without destroying the ability of the compounded oils to inhibit piston ring sticking.

As Selective Solvent in Dewaxing

The second patent reveals the use of diethyl oxalate as a selective solvent for dewaxing petroleum oils, in combination with a solubility-enhancing solvent such as secondary butyl alcohol. Such a solvent mixture, it is said, results in an excellent yield of oil with a low pour point.

These applications appear to constitute a relatively new field of industrial usefulness for diethyl oxalate, which heretofore has been employed chiefly as an intermediate in dyestuff and pharmaceutical manufacture and as a component of special-purpose lacquers.

Diethyl Oxalate is produced by U.S.I.

Suggests Alcohol to Aid Secondary Oil Recovery

GOLDEN, Colo.—Ethyl alcohol can be employed as an economical aid to the secondary recovery of oil, it has been reported here. The alcohol, it is said, is employed in the form of a 1% aqueous solution, which has the effect of reducing the surface tension of the oil, without forming any emulsion of the crude oil.

"DRY-ICE" in Industry

(*Continued from previous page*)

ment. As "DRY-ICE" passes directly from the solid to the gaseous state, it leaves no moisture or other residue and, of much more importance, provides an inert atmosphere to safeguard against fires and explosions.

Increased production in the aircraft and automotive industries is expected to consume larger quantities of "DRY-ICE" for making shrink fits of metal parts. Here the "DRY-ICE" is customarily employed in combination with alcohol or with Solox, U.S.I.'s proprietary solvent. Chilling the metal for shrink fits, it is claimed, does not affect the physical properties produced by previous heat treatments. Bulletin No. 63, giving complete details of this process, is available from U.S.I.

In some sections of the country, solid carbon dioxide is being used in combination with water ice for refrigerator car shipments. The extremely low temperature of the solid carbon dioxide and the subliming carbon dioxide are advantageous in keeping the car contents in proper condition.

Describe Novel Process For Decorating Ceramics

WASHINGTON, Pa.—Results comparable to the silk screen process of decorating ceramics can be obtained by the use of a coloring material having high affinity for printing oil and low affinity for the ceramic surface, it is claimed in a patent granted to two inventors here.

The coloring material, it is said, is prepared by mixing a dry vitrifiable color with enough acetone to form a thin paste and then adding a little pine oil. The mixture is agitated and the acetone driven off. The acetone, it is claimed, acts as a carrier for the pine oil, dispersing it throughout the entire mass of color particles, and leaving a thin oil film on every particle.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A new cleaner for aluminum, tin, and their alloys is said to remove animal, vegetable, and mineral oils, as well as solid dirt, and to provide a greater margin of safety than many other types of alkaline cleaners. Maker says it is completely soluble, can be used in hot or cold water. **(No. 420)**

U S I

A packless valve is described as especially suitable for handling gasoline, oils, and other liquids. It is said that packing is replaced by a seamless metal seal formed by bellows, and that bellows are protected from erosion by a metal housing. **(No. 421)**

U S I

A tung oil substitute is said to have been tested both in laboratories and in actual use, with results that are reported to indicate that it is equal or superior to tung oil itself. The substitute is produced from domestic materials, it is claimed. **(No. 422)**

U S I

Shrink-proofing of wool may be accomplished by a new process now undergoing test, it is reported. It is said that the process can be applied to yarns before knitting or weaving, that it does not affect softness, warmth, or dyeability, and that it is expected to be adaptable to present textile plant methods. **(No. 423)**

U S I

A chemically resistant plastic that is said to have been successfully employed in construction of equipment for handling acids and alkalis is now available in the form of flat sheets for use as a floor covering, it is reported. It is said that the sheets can be secured to floors by a cold-setting cement, also described as chemically resistant. **(No. 424)**

U S I

A paint deodorant is said to be suitable for mixing with finishes of the type employed in interior decorating. Maker states that it reduces, though it does not entirely banish, unpleasant odors, and that it decreases fumes that cause smarting of eyes. **(No. 425)**

U S I

A plastic cement is described as especially suitable for setting machinery and anchoring bolts and studs. According to the maker, it expands on setting to form a tight joint, and is not attacked by many of the commonly used solvents. **(No. 426)**

U S I

A non-slip powder has been developed for application to wet, oily, or greasy floors, it is reported. It is said that the powder eliminates the slipperiness, temporarily provides a surface like abrasive paint, can be cleaned up by sweeping and applied as often as slippery substances accumulate. **(No. 427)**

U S I

A non-patented lacquer is said to possess excellent flexibility, adhesion, coverage, and resistance to humidity, and to be available at relatively low cost. **(No. 428)**

U S I

A new white paint will withstand temperatures up to 2,840° F., the manufacturer claims. It is said that the paint is of extreme whiteness and that it can be applied by brush, spray, or dip to refractory or metal surfaces. **(No. 429)**

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., N. Y. (U.S.I.) BRANCHES IN ALL PRINCIPAL CITIES

A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

ALCOHOLS
Amyl Alcohol
Butyl Alcohol
Fusel Oil—Refined
Methanol

Ethyl Alcohol
Anhydrous
Absolute
C. P. 96%
Pure (190 proof)
Specially Denatured
Completely Denatured
U. S. I. (Denatured Alcohol Anti-freeze)
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

***ANSOLS**
Ansol-M
Ansol-PR

ESTERS, ACETATES
Acetic Ether
Amyl Acetate
Butyl Acetate
Ethyl Acetate

ESTERS, ETHYL
*Diatol
Diethyl Carbonate
Diethyl Oxalate
Ethyl Chlorocarbonate
Ethyl Formate
Ethyl Lactate

*Registered Trade Mark

ESTERS, PHTHALATES
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

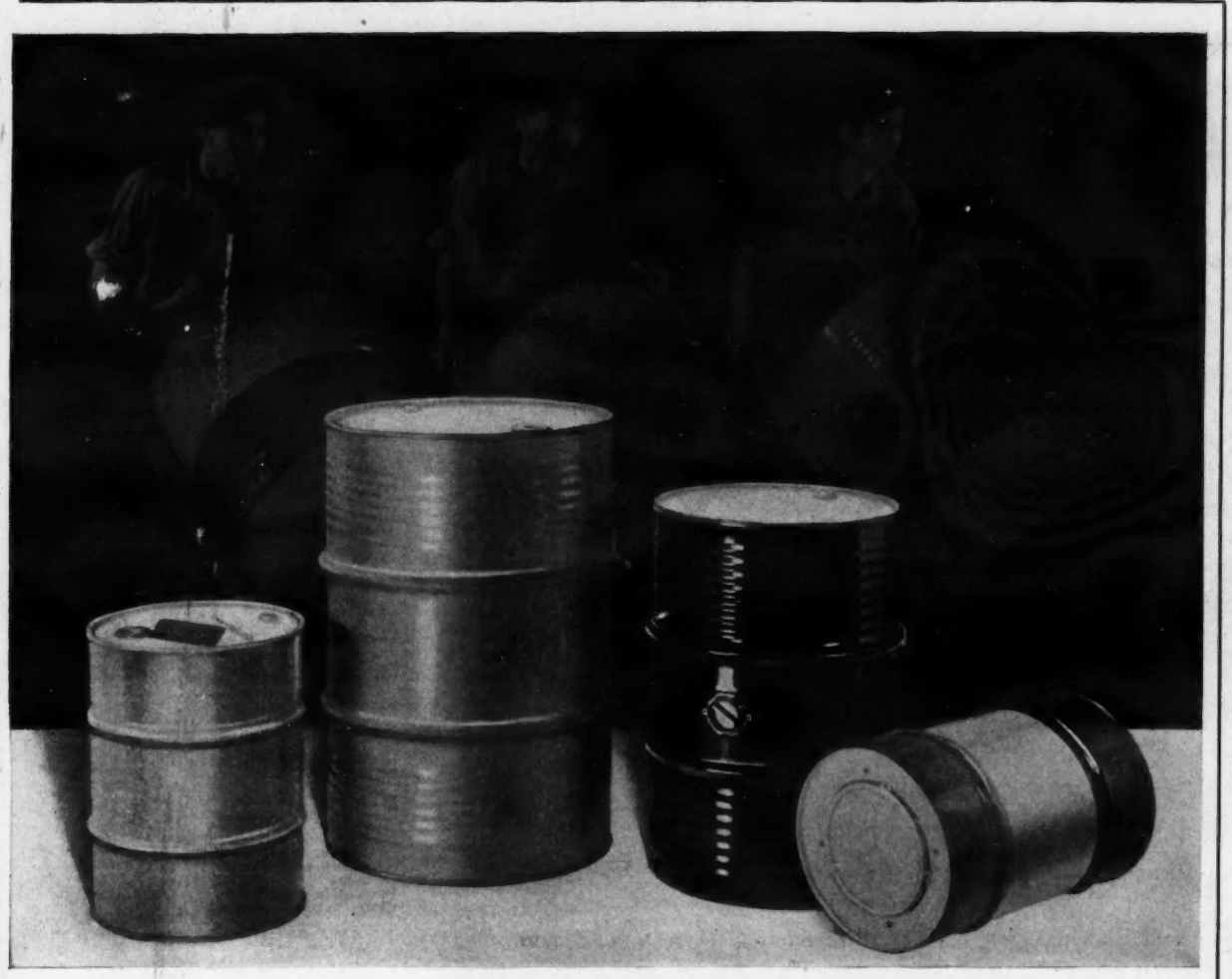
OTHER ESTERS
Amyl Propionate
Butyl Propionate
Dibutyl Oxalate

INTERMEDIATES
Acetoacetanilid
Acetoacet-o-chloranilid
Acetoacet-o-toluidid
Ethyl Acetoacetate
Sodium Ethyl Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone, C.P.
Collodions
*Curbay Binders
*Curbay X (Powder)
Derex
Ethylene
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
*Vacatone
*Curbay B-G

Mica, dry-grnd., roofing, bgs., extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works. ton.32.00 - —
paint, bgs extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works. ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝- —
rubber, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝- —
Biotite, bgs., c.l., frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —
wet-groun mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l... .07 - —
l.c.l. ..... .08 - —
spray, bbls., c.l .....lb. .07½- —
spray, l.c.l.....lb. .08½- —
unskimmed, roller, bbls., c.l. lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
Millet seed, yellow, bgs.....lb. .0250- .0300
early fortune, bgs.....lb. .02½- .06
hulled, bgs.....lb. .06½- .06¾
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06½- .06¾
Molybdate orange (see Orange, molybdate).
Molybdenum metal kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks. lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l. lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works. lb. .65 - —
Monoethylaniline, dms .....lb. .77 Nom.
Monomethylamine, dms., c.l., divd..lb. .65 - —
l.c.l., divd.....lb. .70 - —
Monomethyipara-aminophenol sulphate, dms..lb. 2.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz. 11.10 - —
cns., 25 ozs.....oz. 10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz. 10.75 - —
cns., 25 ozs.....oz. 10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs..... ..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.-works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 1.75 Nom.
Musk, nat., Tonquin, grained, bots..oz. 24.00 -26.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs., to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .15¾- .16¼
yellow, bgs.....lb. .16½- .17
Chinese, yellow, bgs.....lb. .09½- .10
Danish, yellow.....lb. .23 - .24
Dutch, yellow, bgs.....lb. .21 - .22
English, yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .12 - .12½
Roumanian, yellow.....lb. .16 - .16¼



DRUMS THAT CAN "TAKE IT"

No one coddles a drum. It is bounced from truck to pavement—skidded off a loading platform—dropped with a resounding bump into the hold of a ship.

But Crown drums are made to "take it." In-built strength without excess weight is the simple formula that has built up Crown's reputation as a source of supply for durable, trouble-free drums.

CROWN CAN COMPANY, PHILADELPHIA, PA.

Division of Crown Cork and Seal Company

BALTIMORE ST. LOUIS HOUSTON MADISON ORLANDO
FORT WAYNE NEBRASKA CITY

CROWN CAN

INDEPENDENT AND HELPFUL

Myrobalans, J1, bgs., f.a.s....ton.35.00 - —
J2, bgs., f.a.s.....ton.26.00 - —
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .09 Nom.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis, lb. .07¾- —
(12 oz.), same basis..pkg. .06¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .26 - .26½
Chloride, bbls.....lb. .13 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .25 - .26
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb. tins.....lb. .85½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ⅛ and 40 sec. vis., bbls., works. lb. .28 - —
bronzing, 28, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .23 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .24 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .20 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works. lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.21 - —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., divd..unit-ton. 2.00 - —
f.o.b. Chemical, Ill., unit-ton. 2.00 - —
f.o.b. East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., cs.....lb. .28 - .29
Chinese .....lb. .16 - .17
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs....lb. .19 - .19½
110s, bgs., cs.....lb. .16 - .16½
small, grinding, bgs.....lb. .14 - .14½
West Indian, bgs.....lb. .09½- .10
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .08¼- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.2..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.2.....gal. .10¼- —
Octanol, normal, tech., 360-lb. dms., divd..lb. .35 - —
Oil, almond, bitter, artif (see Benzaldehyde).
natural, bots.....lb. 3.00 Nom.
s.p.a., bots.....lb. 2.25 - 3.00
sweet, true, exp., cns...lb. .95 - 1.00
Amber, crude, cns.....lb. .38 - .40
ref'd, cns.....lb. 1.20 - 1.25
Amyris, cns.....lb. 2.00 - 2.25
Angelica, seed, bots.....lb. 90.00 -100.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .80 - .90
Apricot, kernels, cns.....lb. .43 - .44
Bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols cns.....lb. 1.20 - 1.25
Bergamot artif., cns.....lb. 2.50 - 2.80
natural coppers.....lb. 14.00 Nom.
Birch (see Oil, sweet birch).
Birchtar rectified, cns.....lb. 1.10 - 1.20
crude, cns.....lb. .37 - .38
Bois de rose Brazil cns.....lb. 1.95 - 2.00
Cade USP IX (see Oil Juniper tar).
Cajeput tech. dms.....lb. .65 - .70
USP IX, cns.....lb. .75 - .80
Calamus cns.....lb. 8.25 - 8.50
Camphor, sassafrassy cns...lb. .25 - .26
dms. .....lb. .22 - .23
white, cns.....lb. .25 - .26
dms. .....lb. .22 - .23
Cananga, native, cns.....lb. No stocks
rectified, cns.....lb. No stocks
Capsicum (oleoresin), USP VIII, cns..lb. 3.50 - 3.75
Caraway, USP, cns.....lb. 6.00 Nom.
Cardamom, bots.....lb. 16.00 -16.50
Cassia, USP, cs., dms.....lb. 1.55 - 1.65
Castor, blown, one-way dms., c.l..lb. .11¾- —
l.c.l. .....lb. .12½- —
cold pressed, USP, bbls., c.l., lb. .10¼- —
l.c.l. .....lb. .11 - —
cns. (1-gal.), l.c.l.....lb. .14 - —
dms. (returnable), c.l..lb. .10 - —
l.c.l. .....lb. .10¾- —
(5-gal.), l.c.l.....lb. .12 - —
tanks .....lb. .09¾- —
dehydrated, dms., c.l.....lb. .13 10- —
l.c.l. .....lb. .13½- —
tanks .....lb. .12¾- —

Oil, Castor—Oil, Tall

Oil, castor, extracted No. 3. tech., bbls., c.l..lb. .09¾- —
l.c.l. ....lb. .10½- —
dms. (returnable), c.l....lb. .09½- —
l.c.l. ....lb. .10¼- —
tanks ....lb. .09 - —
sulphonated, 50% (45% fat), dms., c.l...lb. .06½- —
l.c.l. ....lb. .07½- —
75% (65% fat), dms., c.l..lb. .09¼- —
l.c.l. ....lb. .10¼- —
80% (68% fat), dms., c.l...lb. .09½- —
l.c.l. ....lb. .10½- —

Castor oil, USP, and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs....lb. .90 - .95
dms. ....lb. .85 - .90
Cedarwood, Southeast, cns..lb. .26 - .27
dms ....lb. .24 - .25
Celery, bots....lb.13.00 -16.00
Chaulmoogra, USP, cns....lb. .72½- —
Chinawood, dms....lb. .27¼- —
tanks ....lb. .26¼- —
Cinnamon, Ceylon, bots....lb. 9.75 -27.00
Citronella, Ceylon, cns....lb. .40 - .41
dms. ....lb. .38 - .39
Java, cns, dms....lb. .37 - .39
Clove, makers, USP, cns....lb. 1.15 - 1.20
dms. ....lb. 1.10 - 1.15
Oil, coconut, Manila, crude, tanks, lb. .03¾- —
edible, 76°, dms. (returnable), c.l..lb. .08 - —
l.c.l. ....lb. .08½- —
tanks ....lb. .07¼ Nom.
Cod, Newf., bbls....gal. .65 Nom.
Codliver, med., USP., bbls..bbl.67.00 -70.00
Coriander, bots....lb.15.25 -15.50
Corn, crude, tanks, wks....lb. .06¾ Nom.
ref'd., bbls....lb. .09½ Nom.
Cottonseed, cooking, bbls....lb. .08 - —
salad, bbls....lb. .08¼- —
Creosote (see C).
Croton, N. F., cns....lb. 2.50 - 2.75
Cubeb, USP, cns....lb. 3.00 - 3.25
Crude (see Petroleum, crude).
Cumin, bots....lb. 9.00 -10.00
Cypress, bots....lb. 5.25 - 5.50
Degrass (see D).
Dill seed, bots....lb. 4.50 - 5.00
weed, bots....lb. 5.50 - 6.75
Dip (see L).
Erigeron, cns....lb. 2.20 - 2.30
Eucalyptus cns....lb. .65 - .67
dms. ....lb. .63 - .65
Fennel, sweet, cns....lb. 2.00 - 2.10
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb.14.25 Nom.
Bourbon, cns....lb.14.00 Nom.
Turkish (see Palmarosa).
Grapefruit, cns....lb. 1.60 - 1.65
Grapeseed, dom., dms....lb. .45 - .50
imported, dms....lb. .15 - .20
Ginger, dist., bots....lb. 4.10 - 4.25
Guaiac wood, concrete, bots..lb. 3.50 - 3.75
Haarlem, imp., bots....gross No prices
Oil, halibut liver, ref., dms...gal.40.00 - —
Hemlock, cns....lb. .85 - .90
Juniper berry, USP XI, cns..lb. 9.00 Nom.
wood, tech., cns....lb. .50 - —
Juniper tar, USP XI, cns....lb. .39 - .40
Lard, common.. 1, bbls....lb. .08¼- —
2, bbls....lb. .08 - —
extra, bbls....lb. .08⅝- —
1, bbls....lb. .08¼- —
winter, strained, bbls....lb. .08⅞- —
prime, burning, bbls....lb. .09½- —
prime, ined., bbls....lb. .09⅛- —
Laurel, bots....lb. 5.00 Nom.
Lavandin, cns., 25 lbs....lb. 3.25 Nom.
Lavender flower, French, 50% ester, cns..lb. 8.25 Nom.
38-42% ester, cns....lb. 7.50 Nom.
35-38% ester, cns....lb. 5.50 Nom.
30-32% ester, cns....lb. 5.00 Nom.
garden, cns....lb. .55 - .70
spike, Spanish, tech., cns..lb. 1.40 - 1.60
dms. ....lb. 1.35 - 1.50
Lemon, Calif., cns....lb. 3.25 - —
Messina, coppers, cns....lb. 4.75 - 5.00
Terpeneless, Type 1....lb.10.50 -16.50
Type 2....lb. 8.35 -14.50
Lemongrass, native, cns., dms., lb. .78 - .80
Lime, dist., cns....lb. 4.75 - 5.00
expressed, cns....lb. 7.75 - 8.00
Terpeneless, Type 1....lb.67.50 -78.00
Type 2....lb.46.50 -50.00
Linalee wood, cns....lb. 1.75 - 2.00
Linseed, raw, dms., c.l....lb. .0970-.0990
l.c.l., 10 to 69....lb. .1000- .1020
5 to 9....lb. .1030- —
less than 5....lb. .1050- —
tanks ....lb. .0900- .0920
Boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots....lb.85.00 - —
Oil, lubricating, at refinery, ex tax, California, neutrals, pale, 166-600 vis., 2½-4, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks, gal.... .07¼- .11¼
Group 3, bright stocks, 100-210 D,0-25 pour, tanks, gal. .12½- .18
neutrals, 150-400 vis., 3-3½, 0-10 pour, tanks, gal. .08 - .12
200-260 vis., 3, 15-25 pour, tanks..gal. .08 - .10
Pennsylvania, bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks..gal. .14 - .16
cylinder oils, 600-630 flash, tanks..gal. .09 - .12
600-650 steam ref'd, tanks..gal. .08 - .08½
neutrals, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .19 - .22½
200 vis., 0-25 pour, tanks..gal. .21 - .24½
Mace, dist., cns., dms....lb. 2.35 - 2.40
Mandarin, superior, coppers..lb. 9.00 -10.00
Menhaden, crude, tanks, fut., Balto..gal. .35 Nom.
refd., alkali, dms....lb. .0930- —
kettle-bodied, dms....lb. .1030- —
light-pressed, dms....lb. .0870- —
tanks ....lb. .0770- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP., bots., cns..lb. 1.50 - 1.60
dist., natural, bots....lb. 9.50 -10.00
Neatsfoot, 20° cold test, bbls., lb. .15¼- —
extra, bbls....lb. .08¾- —
1, bbls....lb. .08½- —
prime, bbls....lb. .09 - —
pure, bbls....lb. .10¾- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots....ib. 200.00- 325.00
Nutmeg, dist., cns., dms....lb. 2.35 - 2.40
Oleo, 1, bbls....lb. .07⅝- —
2, bbls....lb. .07½- —
Olticica, dms....lb. .18½- .19⅛
Olibanum, bots....lb. 5.00 - 5.25
Olive, denat., dms....gal. 2.30 Nom.
edible, dms....gal. 3.20 Nom.
foots, dms....lb. .10¼ Nom.
sulphonated, 50% (42% fat), dms., c.l..lb. .09¼- —
l.c.l. ....lb. .10¼- —
75% (63% fat), dms., c.l..lb. .12¼- —
l.c.l. ....lb. .13¼- —
80% (65% fat), dms., c.l., lb. .127 - —
l.c.l. ....lb. .137 - —
Orange, sweet, dist., cs....lb. .90 - —
expressed, African, cns., dms., lb. 1.40 - 1.50
Calif., cns....lb. 2.00 - —
Florida, cns....lb. 1.25 - 1.30
Messina, USP, coppers....lb. 5.00 Nom.
West Indies, cns....lb. 2.25 - 2.50
terpeneless ....lb.42.00 -50.00
Origanum, cns....lb. 1.05 - 1.45
Palm, Niger, dms....lb. .04½ Nom.
shipment ....lb. .03¾ Nom.
softs, 12½%, bulk, shipt..lb. .02⅛ Nom.
Sumatra, shipt., bulk....lb. .02¼ Nom.
Palmarosa, cns....lb. 3.00 Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra. Ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns....lb. 5.50 - 6.00
Peanut, crude, dom., tanks..lb. .05⅝ Nom.
refd., edible, bbls....lb. .08½ Nom.
Pennyroyal, dom., cns....lb. 3.00 Nom.
import, cns....lb. 2.25 - 2.50
Peppermint, natural, cns., dms., lb. 3.25 - 3.50
redist., USP, cns., dms....lb. 3.50 - 3.75
Perilla, dms....lb. .18 Nom.
tanks ....lb. .17¼ Nom.
Petitgrain, Paraguay, cns....lb. 1.40 - 1.50
Pimento berry, cns....lb. 4.25 - 7.25
leaf, cns....lb. 2.50 - 2.75
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .50 - .55
steam-dist., dms....gal. .59 - —
tanks ....gal. .54 - —
Pineneedle, Siberian, cns....lb. 1.30 - 1.40
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22¼- —
contracts ....gal. .19¼- —
Whiting, ind....gal. .28 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis....gal. .27 - —
tanks, same basis....gal. .18 - —
Martines, Cal....gal. .28 - —
Rapeseed, blown, dms....lb. .17½- —
denat., bbls....gal. .95 Nom.
Red, dist., or saponif., dms., dlvd..lb. .07¼- .08¼
tanks, dlvd....lb. .06¾- —
Rose, artif., bots....oz. 1.35 - 2.25
natural, coppers....oz. 5.50 -22.50
Rosemary, Spanish, cns....lb. .71 - .73
dms. ....lb. .63 - .64
Rosin, 1st rectfd., dms....gal. .40 - —
2d rectfd., dms....gal. .42 - —
3d rectfd., dms....gal. .46 - —
Rue, bots....lb. 5.25 - 6.00
Sage, cns....lb. 3.50 - 3.75
Sandalwood, E.I., USP, cns..lb. 4.95 - 5.25
Mysore, cns., case lots..lb. 5.50 - 5.75
Sardine, crude, fut., tanks, Pac. Cst..gal. .43 Nom.
refd., alkali, dms....lb. .0950- —
kettle-bodied, dms....lb. .1050- —
light-pressed, dms....lb. .0870- —
tanks ....lb. .0770- —
Sassafras, artif., cns....lb. .75 - —
dms. ....lb. .72 - —
natural, cns., dms....lb. 1 00 - 1.25
Savin, cns....lb. 5.75 Nom.
Savory, cns....lb. 3.75 Nom.
Shark liver, crude, dms....million vitamin units. .04 - .09
Sesame, crude, coast, tanks..lb. .08 - —
Shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works....gal. .20 - —
tanks, works....gal. .14 - —
Snakeroot, Canada, cns....lb. 9.50 -10.50
Soybean, dom., crude, dms...lb. .06¾- .07¼
tanks ....lb. .06 - —
refd., dms....lb. .08 - .08¾
tanks ....lb. .07¼- .08
Spearmint, dms....lb. 2.60 - 2.70
Sperm, bleach, 38°, dms....lb. .1120- —
45°, dms....lb. .1050- —
natural, dms....lb. .1000- —
Spruce, cns., dms....lb. .80 - .85
Sweet, birch, North, cns....lb. 2.25 - 2.35
South, cns....lb. 1.55 - 1.70
Tall, crude, dms., c.l., works, ton.40.00 - —
l.c.l., works....ton.45.00 -50.00
tanks, works....ton.30.00 - —
distilled, dms., c.l., dlvd..lb. .05½- .07
l.c.l., dlvd....lb. .06½- .08¼
tanks, dlvd....lb. .05 - .06¾

American AROMATICS OF *Exceptional* QUALITY

AMERICAN manufactured Aromatic Chemicals . . . of exceptionally fine quality . . . are available to fulfill your requirements.

Our domestic industry is equipped to take care of practically every perfume problem confronting the manufacturer of soap, perfume or cosmetics.

Our line of pure aromatic chemicals is being steadily augmented and will allow the American perfumer to produce for the American Public a line of interesting perfumes of infinite variety.

Among the leading items produced are:

ALPHA AMYL CINNAMIC ALDEHYDE
IONONE COMPLETE
PARA CRESOL ETHYL ETHER
PARA CRESOL METHYL ETHER
PHENYL ETHYL ALCOHOL

PRODUCT GL 4C—A non-toxic wetting agent with excellent foaming qualities for Liquid Dentifrices, Soapless Shampoos, Brushless Shaving Creams, etc.

COLLORESIN—Replaces Gum Tragacanth satisfactorily.

INDOL—Now first produced in this country.

The following raw materials also of Domestic Manufacture have proven themselves in the Soap and Perfume industry. The rapid rise in their sale indicates their value.

CYCLAMAL • CITRONAL • FLORANOL • ROSEFOLIA

100% Pure—Soap fast—Free from irritation. Will not discolor.

Requests for samples on your firm's letterhead will be promptly answered.

Protect your source of supply by using the above products manufactured in the U.S.A.

Aromatics Division
GENERAL DRUG COMPANY
644 Pacific St., Brooklyn, N.Y.
Transportation Bldg., Los Angeles
9 S. Clinton St., Chicago
1019 Elliott St., W., Windsor, Ont.

Oil, tall, refined, dms., c.l., works.
lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .08¼- —
tanks .....lb. .07¾- —
Tansy, cns.....lb. 4.25 - 4.50
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .26 - —
E. ports, c.l.....gal. .25 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .17½ Nom.
Tea tree (see Oil, Ti tree).
Thyme, NF, red, dms.....lb. .80 - 1.40
white, dms.....lb. .95 - 1.70
Tung (see Oil, chinawood).
Ti tree, cns.....lb. 2.80 - 2.80
Turkey red (see castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 7.00 - —
Vetiver, bots.....lb. 5.25 - 9.50
Whale, ref., natural, dms..lb. .0910- —
winter, bleach, dms.....lb. .0950- —
Wheat germ, cns., dms....gal.17.50 -25.00
White, mineral, dcon., tech., 50-60 vis., dms..gal. .31 - .38
65-75 vis, dms.....gal. .33 - .40
80-90 vis., dms.....gal. .34 - .41
80-90 vis., dms.....gal. .36 - .43
U.S.P., 95-105 vis., dms.gal. .40½ - .47½
125-135 vis., dms.....gal. .46 - .53
140-150 vis., dms.....gal. .49 - .55
175-185 vis., dms.....gal. .53½ - .60½
200-210 vis., dms.....gal. .56½ - .63½
320-330 vis., dms.....gal. .64 - .71
335-345 vis., dms.....gal. .65 - .72
Russian, 80-90 vis., dms.gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.35 - 5.00
South, cns.....lb. 2.06 - 2.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.80 - 2.90
Wormwood, cns.....lb. 4.50 - 4.75
Ylang-ylang, Bourb., bots., cns., lb. 7.00 Nom.
Manila, bots.....lb.23.00 Nom.
Olivine, aggregate, c.l., mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
ground, 325 mesh c.l., mines, ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium, USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.12.50 -13.50
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Colo., Mont., N. M., Wyo..lb. .11½- —
Other points.....lb. .11 - —
smaller lots, dlvd., Ala. etc..lb. .11⅝- —
Ariz., etc.....lb. .12¼- —
Colo., Mont., N. M., Wyo..lb. .12 - —
Other points.....lb. .11¼- —
French, Tours, casks, ex dock. lb. .13½- —
kgs., ex dock..... lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls. .....lb. .11 - .12
Orris root, Florentine, bgs.....lb. .80 Nom.
fingers, cs.....lb. 1.50 Nom.
powd., bbls., bxs.....lb. .85 Nom.
Verona, bls.....lb. .75 Nom.
powd., bgs., cns.....lb. .80 Nom.
Orthoanisidin, bbls.....lb. .70 - —
Orthochloraniln, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .16 - —
l.c.l., same basis.....lb. .16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis..lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroaniln, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange extract, cryst., bbls. lb. .21 - —
liquid, 42°, bbls.....lb. .09 - —
51°, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00
Orthotoluene hydrochloride, dms.lb. .22 - —
Sulphonate, kgs.....lb. 2.00 - 2.05

P

Papain, powd., cs.....lb. 1.40 - 1.45
Paprika, Algerian, bgs.....lb. .34½- .35
Bulgarian, bgs.....lb. .30 - .30½
Portuguese, extra fancy, bgs., medium, bgs.....lb. No stocks
Portuguese, extra fancy, bgs., lb. .31½- .32
fancy, bgs.....lb. .28 - .29
Spanish, extra fancy, cs....lb. .39 - .40
medium, cs.....lb. .37 - .38
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .0265- .0275
bbls., c.l., N.Y.....lb. .0265- .0275
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .0265- .0280
bbls., c.l., N.Y.....lb. .0265- .0280
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .0260- —
fully refd., bgs., 123-125 A.m.p., bgs., c.l..lb. .0570- —
128-130 A.m.p., bgs., or loose, c.l..lb. .0570- —
131-133 A.m.p., bgs., or loose, c.l..lb. .0595- —
133-135 A.m.p., bgs., or loose, c.l..lb. .0625- —
135-137 A.m.p., bgs., or loose, c.l..lb. .0650- —
Paraffin, fully refd., 138-140 A.m.p., bgs., or loose, c.l.lb. .0725- —
143-145 A.m.p., bgs., or loose, c.l..lb. .0820- —
151-153 A.m.p., bgs., or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is ½c. lower.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .03½- —
semi-refd., solid, 122-124 A.m.p., bgs..lb. .03 - —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .23 - —
100 to 900 lbs. shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., c.l., works.lb. .10 - —
l.c.l., works.....lb. .11¼- —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroanilin, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls...lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratriadin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.lb. .23 - .25
l.c.l., same basis.....lb. .24 - .26
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentane, norm., 28-38°, dms., c.l., G.3..gal. .11½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .07 - .08½
laboratory grade, dms., c.l., G.3, gal. .14 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bags..lb. .07¼ Nom.
Lampong, bags.....lb. .0420- .0425
Tellicherry, bags.....lb. .07½ Nom.
White, Java, Muntok, bags..lb. .08½- .09
Muntok, small berry, bgs..lb. .08¼- .08¾
Red, chillies, Japan, Hontaka, lb. .20½- .21
Mombassa, bgs.....lb. .24½- .25
Peppermint leaves, dom., bls..lb. .60 - .65
imports, bls.....lb. .90 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D.,

Oil, Tall—Petroleum

Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. .65 - .67
Petrolatum, amber, dms., c.l...lb. .02¾- —
l.c.l .....lb. .03¾- —
amber, extra, dms.....lb. .03 - —
l.c.l. .....lb. .04 - —
white, cream, dms., c.l.....lb. .04 - —
l.c.l. .....lb. .05½- —
lily, dms., c.l.....lb. .04¾- —
l.c.l. .....lb. .06¼- —
snow, dms., c.l.....lb. .05½- —
l.c.l. .....lb. .07½- —
Petroleum, crude, bulk, at wells:—
California .....bbl. .60 - 1.71
Canada .....bbl. 1.70 - 2.10
Petroleum, crude, bulk, at wells,
Central West:—
Illinois .....bbl. 1.00 - 1.15
Lima .....bbl. .90 - —
Michigan .....bbl. .92 - 1.23
Princeton .....bbl. 1.00 - —
East Texas.....bbl. 1.10 - —
Gulf Coast.....bbl. .86 - 1.28
Kentucky, Tennessee.....bbl. .90 - 1.20
Louisiana, Arkansas.....bbl. .85 - 1.25
Mexico .....bbl. No prices
Midcontinent:—
North Texas .....bbl. .71 - 1.03
Oklahoma-Kansas .....bbl. .58 - 1.10

Unless He Connects

SWINGING *at* a baseball never won a game. Someone has to *hit the ball.*

And someone has to *"hit the ball"* when you need emergency service on solvents.

Why the Skelly Oil Company is in a better position to *"hit the ball"* for you is a story of sources of supply, refining facilities, distribution organization, and *many years' experience at the bat!* The Skellysolve reputation for coming through was not made by fanning out in the pinches.

Take a moment now to drop a line and get the information about Skellysolve and Skellysolve Service. The day may come—and most likely will—when you'll be mighty glad you did.

Phone, write, or wire the address below.

SKELLYSOLVE
in the **OIL, PAINT,** *and*
DRUG FIELD

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Petroleum—Phloxin Toner

Petroleum, crude, at wells:—
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.30 - —
Corning ....bbl. 1.12 - —
N. Y. Transit lines....bbl. 2.30 - —
Eureko lines....bbl. 1.89 - —
S. W. Penn lines....bbl. 1.95 - —
Lower district in National Transit lines..bbl. 2.18 - 2.23
Rocky Mountains....bbl. .35 - 1.10
South Central and Southwestern Texas..bbl. .86 - 1.29
Texas Panhandle....bbl. .67 - .96
West Texas....bbl. .53 - .95
Ether, normal, tanks, G.S....gal. .09¾- —
dms., c.l., dlvd....gal. .24 - —
l.c.l., 5 or more, dlvd...gal. .29 - —
1-5, dlvd....gal. .38 - —
laboratory grade, dms., c.l., G.S..gal. .14½- —
l.c.l., G.S....gal. .25½- —
10-gal. lots, G.S....gal. .50½- —
Lacquer, diluent, at refinery:—
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
Willbridge, Ore., Fort Wells, Wash..gal. .12 - —
East Coast, tanks....gal. .09½- .10
Group 3, toluol type, tanks, gal. .07¾- —
benzol type, tanks....gal. .07¾- —
Mineral spirits, at refinery:—
California (f.o.b. San Francisco), 100-232 b.r., tanks, gal. .10½- —
198-290 b.r., tanks....gal. .10½- —
246-397 b.r., tanks....gal. .10¾- —
312-408 b.r., tanks....gal. .09 - —
362-456 b.r., tanks....gal. .09 - —
East Coast, 43-47, tanks.gal. .0630- .09¼
47-49, tanks....gal. .10½- —
Group 3, tanks....gal. .05¾- —
tankwagon, tax included:—
Albany ....gal. .13½- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals....gal. .16 - —
Boston ....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn....gal. .11½- —
Buffalo ....gal. .15½- —
Camden, N. J....gal. .10 - .11¼
Chicago ....gal. .1670- —
Decatur ....gal. .1810- —
Des Moines....gal. .1790- —
Evansville, Ind....gal. .1420-.1520
Milwaukee....gal. .1930- —
Minneapolis-St. Paul..gal. .19¼- —
Newark ....gal. .09½- —
Mineral spirits, tankwagon, New York (200 gals)..gal. .09½- —
Omaha ....gal. .12½- —
Pittsburgh ....gal. .11½- .13¼
Providence ....gal. .12 - —
Rochester ....gal. .12¼- —
St. Louis....gal. .1470- —
Syracuse ....gal. .10½- —
Trenton ....gal. .10½- —
Wilmington, Del....gal. .12½- —
Naphtha, cleaners', at refinery:—
California (f.o.b. San Francisco). tanks..gal. .12 - —
East Coast, tanks....gal. .09 - .10¼
Group 3, tanks....gal. .06¾- .07
tankwagon, Boston, ex tax, gal. .13½- —
Bridgeport ....gal. .13½- —
Chicago, inc. 4c. tax..gal. .18 - —
Decatur, inc. 4c. tax..gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax....gal. .10½- —
New York, ex tax....gal. .10½- —
Omaha, ex tax....gal. .1490-.1590
Oklahoma City, ex tax.gal. .16½- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15¼- —
Syracuse, 150 gals....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
milk cans....gal. .21 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21 - —
2, over 90% arom., same basis..gal. .21 - —
3, same basis....gal. .22 - —
8, tanks, f.o.b. Paulsboro, N. J..gal. .16½- —
30, same basis....gal. .17½- —
40, same basis....gal. .17¾- —
V. M. & P., at refinery:—
California, 46.5, 254 f.b.p., 350 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond ....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 f.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, tanks....gal. .09 - .09¼
Group 3, tanks....gal. .06¾- .07
tankwagon, Boston, ex tax, gal. .14½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1890- —
Decatur, inc. 4c. tax...gal. .1910- —
Evansville, Ind., ex tax, gal. .1520-.1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax....gal. .11½- —
New York, ex tax....gal. .10½- —
Omaha, ex tax....gal. .1490-.1590
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1570- —
Solvent, rubber at refinery, California (f.o.b. San Francisco), bbls..gal. .24 - —
East Coast, tanks....gal. .09½- —
Group 3, light, 120 i.b.p., 250 ep., tanks..gal. .06¾- .07
standard, 180 i.b.p., 288 e.p., tanks..gal. .06¾- .07
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, tanks....gal. .0830- .09½
Group 3, tanks....gal. .06¾- .06½
tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax.gal. .1840- —
Evansville, Ind., ex tax.gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Petroleum, solvent, Stoddard, tankwagon, Minneapolis,-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax....gal. .06½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax....gal. .06¼- —
Omaha ....gal. .1360-.1450
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax....gal. .10½- .11½
Phenobarbital, 5-lb. bots....lb. 3.92 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12 - —
l.c.l., same basis....lb. .12¾- —
under 1,000 lbs....lb. .13¾- —
tanks, works....lb. .11 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs., 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms....lb. .82 - —
25-lb. dms....lb. .87 - —
50-lb. kgs....lb. .84 - —
Phenyl chloride, dms....lb. .17 - —
Phenylacetaldehyde, bots....lb. 2.10 - 2.50
Dimethylacetate, cns....lb. 14.50 -15.00
Phenyl ethyl acetate, cns....lb. 2.90 - 3.00
Phenylethylphenyl acetate, bots., lb. 5.00 -15.00
Phenylhydrazine, base, CP, bots., lb. 4.00 - —
hydrochloride, CP, bots., works, lb. 4.00 - —
commercial, kgs., works....lb. 1.50 - —
pure, bbls., works....lb. 2.25 - —
Phloroglucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines, long ton. 2.15 - —
72% min., bulk, mines, long ton. 2.40 - —
75% basis, 74% min., bulk, mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines, long ton. 5.50 - —
Phosphorus, red, cs....lb. .40 - .44
yellow, dms....lb. .18 - .20
cases ....lb. .23 - .25
Oxychloride, cyls....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works....lb. .13 - .14
Sesquisulphide, cs....lb. .38 - .42
Trichloride, cyls....lb. .15 - .16
Phthalamide, bbls., works, tons..lb. .35 - —
single bbls., works....lb. .40 - —
kgs., works....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis....lb. .15½- —
Pichi leaves, bgs....lb. .10 - .11
Pilocarpine hydrochloride, bots., vis..os. 3.75 - 4.00
Nitrate, bots., vis....os. 3.75 - 4.00
Pimento, bags....lb. .25½- .26
Pinkroot, bls....lb. .40 - .41
Pitch, burgundy (see R).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. ....ton. 22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms....lb. .05 - .06½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls....lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls....lb. .07 - .07¼
Pomegranate bark, bgs....lb. .49 - .50
Root bark, bgs....lb. .60 - .65
Poppy flowers, red, bls....lb. .70 - .75
Seed, Dutch, bgs....lb. .32 - .33
Hungarian, bgs....lb. .29½- .30
Roumanian, bgs....lb. .28½- .29
Turkish, bgs....lb. .27½- .28
Potash abietate....lb. .08 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd....lb. .28 - —
USP, bbls., 250 lbs....lb. .28 - —
kgs., 100 lbs....lb. .30 - —
cns., 25 lbs....lb. .31 - .44
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .17 - —
kgs., 100 lbs....lb. .19 - —
gran., bbls., 250 lbs....lb. .17 - —
kgs., 100 lbs....lb. .19 - —
Bichromate, spot, c.l., works..lb. .08¾- —
5 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fib. dms., 100 lbs....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs....lb. .19 - —
kgs., 100 lbs....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms....No prices
liquid, 45% basis, dms....lb. .03½- .03¾
tanks ....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. ....lb. .06½- .06¾
import, dms....lb. No prices
Chlorate, cryst., kgs....lb. .11 Nom.
pwd., kgs....lb. .06½- .10
Chloride, tech., 96%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs....lb. .34½- —
cns., 50 lbs....lb. .35½- —
cns., 25 lbs....lb. .37½- —
Cyanide, dom., dms., works..lb. .55 - —
Cyanide, gold, 11% gold, bots., works..oz. 14.20 - 14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots....lb. 1.10 - —
50-lb. lots, cbys., or cns..lb. 1.15 - —
25-lb. lots, cns....lb. 1.25 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs....lb. .75 - —
Potash, iodate, bots., 5 lbs....lb. 3.35 - —
cns., 25 lbs....lb. 3.46 - —
Iodide, bbls., 250 lbs....lb. 1.20 - —
bots., or cns....lb. 1.29 - 1.55
dms....lb. 1.20 - 1.25
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Manure salt, dom., min., 30%, K_2O, bulk, ex vessels, ports, unit-ton. .60 - —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices
Domestic manure salt prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above. Prices in bags are $2 per ton higher than bulk prices.
Potash, metabisulphite, kgs...lb. .19 Nom.
Muriate, dom., min., 50% or 62%, K_2O, bulk, ex-vessel, ports..unit-ton. .53½- —
import, min., 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port..unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate, kgs., works....lb. .09½- .11
Permanganate, tech., dms...lb. .19¼- .19¾
U.S.P., dms....lb. .20 - .20½
Prussiate, red, bbls....lb. No prices
Yellow, bbls....lb. .16 - .18
Reconleate, tech., bbls....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100-lb. kgs....lb. .20 - —
powd., 350 lbs., bbls....lb. .19 Nom.
100-lb. kgs....lb. .21 - —
tech., dom., bgs., basis 90% K_2SO_4, ex-vessel, ports, ton. 36.25 - —
bulk, same basis....ton. 34.25 - —
imp., min., 90%, bgs., ex-vessel, Atl. or Gulf ports, ton. No prices
Xanthate, dms., c.l....lb. .13 - —
Potash-magnesia, sulphate, dom., bgs., 40%, K_2SO_4, ex-vessel, ports..ton. 27.00 - —
bulk, same basis....ton. 25.00 - —
Potash-soda ferricyanide, dms., works..lb. .36 - .39
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms....lb. .40 - —
Prickly ash bark, bls....lb. .12 - .13
Berries, bgs....lb. .28 - .30
Prince's pine herb, bls....lb. .22 - .23
Propane, tanks, Group 3....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls....lb. .85 - .90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
F and I, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
O, O—½, O—¾, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N.Y..ton. No prices
l.c.l., 5-25 tons, ex whse., ton. No prices
1,000-10,000 lbs., ex whse. ton. No prices
2 bgs. to 1,000 lbs., ex whse..ton. No prices
single bgs., ex whse..ton. No prices
Pumpkin seed, bgs....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.90 - —
refined, dm....100 lbs. 5.50 - —
standard, dms....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.75 - 4.95
(30 to 1-, 3 grams pyrethins per 100 cc., dms., dlvd..gal. 7.20 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), 9% pyrethrins, frt. alld., bbls..lb. .23 - .25
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .25 - .26
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms....lb. .48 - —
Pyrites Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophyllite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton. 12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis....ton. 12.00 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works....lb. .15 - —

Q

Quassia chips, bls....lb. .05 - .06
Quebracho extract, liquid, 55% tan, bbls., works..lb. .04¼- —
tanks, works....lb. .03¾- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04⅞- —
clarified, 64%, bgs., c.l., same basis..lb. .05⅛- —
Queen of the meadow leaves, bgs..lb. .07¼- .08
Root, bgs....lb. .10 - .11
Quercitron, extract, liquid, 50°, bbls..lb. .08½- .09½
solid, dms....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y...flask. 167.00 -169.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask. 250.00 - —
ex store....flask. 232.00 - —
Quince seed, bgs....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns..oz. 1.06 - —
powd., precip., cns....oz. 1.01 - —
Sulphate, cns....oz. .71 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.

Quinine, 100 ozs., cns....oz. .84 - —
Acetate, cans....oz. 1.05 - —
Arsenate, cns....oz. 1.05 - —
Arsenite, cns....oz. 1.07 - —
Bisulphate, cns....oz. .60 - —
Citrate, cns....oz. .75 - —
Dihydrobromide, bots....oz. .82 - —
Dihydrochloride, bots....oz. .82 - —
Ethylcarbonate, cns....oz. .85 - —
Ferrocyanide, cns....oz. 1.07 - —
Formate, cns....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .82 - —
Glycerophosphate, cns....oz. 1.20 - —
Hydrobromide, cns....oz. .76 - —
Hydrolodide, cns....oz. 1.05 - —
Hypophosphite, cns....oz. 1.07 - —
Phosphate, cns....oz. .90 - —
Salicylate, cns....oz. .75 - —
Sulphate, USP, XI, cns....oz. .67 - —
Sulphocarbonate, cns....oz. 1.05 - —
Tannate, cns....oz. .93 - —
Tartrate, cns....oz. 1.02 - —
Valerate, cns....oz. .99 - —

Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.oz. .81 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.

R

R, salt, dry, bbls....lb. .55 - —
paste, dms....lb. .52 - —
Rapeseed, Argentine, bgs....lb. .06 - .06½
Dutch, bgs....lb. No stocks
Indian, small, recleaned, bgs.lb. .06¾- .06¾
medium, recleaned, bags...lb. .07½- .08
Japanese, bgs....lb. No stocks
Raspberries, dried, bls....lb. .60 - .65
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
kgs., ton lots, same basis, lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., light, works..lb. 2.20 - —
maroon, works....lb. 2.70 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs....lb. 4.60 - —
cns., 5 lbs....lb. 4.75 - —
1 lb....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls....lb. 1.25 - —
Fire. toner, bbls....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order....lb. .90 - —
Lithol toner, bbls., same basis alizarin, lake, contracts..lb. .55 - —
open order....lb. .60 - —
Rose lake, bbls....lb. .20 - .23
Pink, bbls....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25% kgs., same basis, alizarin lake, contracts..lb. .40 - —
Oxide (see Red), purple oxide).
Mercury oxide, tech., dom., bbls, lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .06½- —
l.c.l., works....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis, alizarin lake, contracts..lb. .70 - —
open order....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).

Red, phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple laks, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .04½- —
Toluidine toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0350- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.12 3.17
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib., dms., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200 lb. dms., frt., alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
U.S.P., cryst, 100 lbs., dms., frt., alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .42 - .45
Riboflavin .....gram. 1.75 - 2.25
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .32½- —
smaller lots.....lb. .33 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .31½- —
smaller lots.....lb. .32 - —
Rose flowers, pale, bls.....lb. .42 - .43
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .11 - .12
Rosin, gum B, bbls., ex dock..
100 lbs. 2.10 - —
D, bbls.....100 lbs. 2.19 - —
E, bbls.....100 lbs. 2.19 - —
F, bbls.....100 lbs. 2.19 - —
G, bbls.....100 lbs. 2.19 - —
H, bbls.....100 lbs. 2.22 - —
I, bbls.....100 lbs. 2.29 - —
K, bbls.....100 lbs. 2.56 - —
M, bbls.....100 lbs. 2.64 - —
N, bbls.....100 lbs. 2.80 - —
W. G., bbls.....100 lbs. 3.10 - —
W. W., bbls.....100 lbs. 3.31 - —
X, bbls.....100 lbs. 3.31 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton. 25.50 - —
l.c.l., f.o.b. mines....ton. 37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb. 23.00 -24.00
Safrol, ans.....lb. .90 - —
dms. .....lb. .85 - —
Sage, Dalmatian, garden, bls..lb. No stocks
stemless, bls.....lb. No stocks
ground, bbls.....lb. 1.40 - 1.45
Greek, bls.....lb. .65 - .70
Spanish, bls.....lb. .35 - .38
Sago flour, bgs.....lb. .03¼- .04
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., divd., N.Y...ton. 12.70 - —
l.c.l., bgs., divd., N.Y...ton. 15.50 -16.10
vacuum, common, fine, bgs., c.l., divd., N.Y..ton. 15.70 - —
l.c.l., divd., N.Y.....ton. 16.60 -19.70
Saltcake, grd., dom., bbls., works, ton. 24.00 Nom.
bulk, works.....ton. 17.00 Nom.
import, bulk, c.i.f.....ton. 16.50 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.60 - 9.60
1-9 tons.....100 lbs. 8.75 - 9.75
less than ton lots..100 lbs. 9.00 -10.00
gran., bbls., 10-20 tons.....
100 lbs. 7.60 - —
1-9 tons.....100 lbs. 7.75 - —
less than ton lots..100 lbs. 8.00 - —
powd., bbls., 10-20 tons.100 lbs. 8.60 - —
1-9 tons.....100 lbs. 8.75 - —
less than ton lots...100 lbs. 9.00 - —
Santonin, cryst., cns.....kilo. 150.00 -155.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .28 - .30
Mexican, bls.....lb. .16 - .18
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .19 - .20
Savory, bales.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlits mixture, bbls., 5,000 lbs., 1 shipment..lb. .23½- —
smaller lots.....lb. .26 - —
kegs, 5,000 lbs., 1 shipm't..lb. .26 - —
smaller lots.....lb. .26½- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .85 - .87
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .18
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .60 - .65
Shellac, bleached, bonedry, bbls., f.o.b. N.Y..lb. .26 - .27
divd., Boston.....lb. .26½- .27½
Chicago .....lb. .26¾- .27¾
Pacific Coast.....lb. .29 - .30
rfd., bbls., f.o.b. N.Y.....lb. .32 - .33
divd., Boston.....lb. .32½- .33½
Chicago .....lb. .32¾- .33¾
Pacific Coast.....lb. .35 - .36
Garnet, bgs.....lb. .20 - .21
D.C., V.S.O., or Diamond I, cs..lb. .27 - .28
Superfine, bgs., f.o.b. Boat., N.Y..lb. .16½- .17
divd., Chicago.....lb. .17 - .17½
Pacific Coast.....lb. .19½- .20
T.N., bgs., f.o.b. Boat., N.Y..lb. .16 - .16½
divd., Chicago.....lb. .16½- .17
Pacific Coast.....lb. .19 - .19½

Shellac, varnish, Metro. area, orange, 5-lb. cut, bbls..gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....gal. 1.05 - 1.10
white, 5-lb. cut, bbls.....gal. 1.25 - 1.30
4½-lb. cut, bbls.....gal. 1.20 - 1.25
4-lb. cut, bbls.....gal. 1.15 - 1.20
Prices, divd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph, dry-grd., 95-97%, 325 mesh, bgs., c.l., works..ton. 17.00 - —
l.c.l., 2½ tons, works, ton. 19.00 - —
smaller lots, works, ton. 20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton. 19.00 - —
l.c.l., 2½ tons, works, ton. 21.00 - —
smaller lots, works. ton. 25.00 - —
95-97%, 400 mesh, bgs., c.l., works..ton. 30.00 - —
l.c.l., 2½ tons, works, ton. 35.00 - —
smaller lots, works. ton. 38.00 - —
95-98%, 325 mesh, bgs., c.l., works..ton. 20.00 - —
l.c.l., 2½ tons, wks. ton. 21.50 - —
smaller lots, works. ton. 23.00 - —
amorph., wet-grd., 99% 325 mesh, bgs., c.l., works. ton. 22.00 - —
l.c.l., 2½ tons, works, ton. 25.50 - —
smaller lots.....ton. 27.00 - —
Silica, hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton. 13.50- —
l.c.l., works.....ton. 18.50 - —
140 mesh, bgs., c.l., works, ton. 11.00 - —
l.c.l., works.....ton. 16.00 - —
Silver, bullion.....oz. .34⅜- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
50 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .26⅞- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .20 - .30
Simarubra barks, bls.....lb. .30 - .35
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton. 10.00 -15.00
Sloe berries, bgs.....lb. .20 - .25
Smalt, black, extra velvet, cnts., lb. .65 - .68
Blue, cnts.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .28
Soapbark, bls.....lb. .11 - .12
crushed, bls., bbls.....lb. .14 - .15
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .18 - .19
powd., bbls.....lb. .18 - .19

Red, Phosphotung.—Soda Ash

Soda, acetate, anhyd., dms., divd. lb. .06¼- .10
flake, gran., powd., 60%, dms., c.l., divd..lb. .04 - —
l.c.l., divd..lb. .04½- .05
powd., 80%, dms., c.l., divd., lb. .06 - —
l.c.l., divd.....lb. .06¾- —
Alginate, dms., bbls., works..lb. .39 - .70
Antimoniate, bbls., divd.....lb. .14 - .14½
Arsenate, dms., dealers, c.l., works..lb. .07 - .08
l.c.l., dms., works.....lb. .07¾- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- .07½
l.c.l., dms., works.....lb. .07¼- .09¼
white, dms., c.l., dealers, works..lb. .08 - .09
l.c.l., dms., works.....lb. .08¾- .10¾
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.85 - —
l.c.l., Zone 1.....100 lbs. 2.85 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —

A FIVE FOOT SHELF *for Industry!*

In the course of a year . . . every year, Solvay distributes free of charge, and largely on request, hundreds of thousands of booklets, folders and pamphlets. The distribution of such a large volume of literature is in itself not unusual, however. What *is* important about this "five foot shelf" is that it is not just so much "sales talk." It is designed basically to impart *information.*

Large and small business men, plant operators, engineers, municipal officials, farmers and the average consumer are all part of the vast audience who rely on Solvay technical and advertising literature. Solvay Technical and Engineering Service Bulletins, for instance, have for years been recognized by engineers in many industries as a supplement to their own experience and knowledge, and as a vital source of operations data concerning the handling of alkalies or their use in processes. Solvay literature is a digest of the experience of men who are authorities in their fields. It is the literature of the oldest* and largest alkali company in America.

To get the best out of your alkalies, rely on Solvay literature—it's authentic. Or if your problems are not covered there, bring them directly to Solvay's technical experts.

SOLVAY SALES CORPORATION

Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 Rector Street New York, N. Y.

SOLVAY LITERATURE

Top Shelf
Use and Handling of Liquid Caustic Soda
Analysis of Alkalies
Calcium Chloride in Refrigeration
Soda Ash Handling
Alkalies and Chlorine in Municipal and Industrial Water Treatment
Analysis of Liquid Chlorine and Bleach
Water Analysis (Municipal and Industrial)
Road Surface Stabilization
Analysis of Calcium Chloride and Limestone

Second Shelf
Methods of Handling Liquid Chlorine
Controlling Peach Tree Borer
Controlling Tobacco Blue Mold
Controlling the Clothes Moth
Ending Dust and Weeds on Roads, Drives, Tennis Courts, Walks, etc.
Weighting Tractor Tires with Calcium Chloride Solutions
Low Cost Fire Fighting Solutions
Drying Air in Damp Rooms, Vaults, etc.

Third Shelf
Calcium Chloride and Portland Cement
Calcium Chloride in Winter Concreting
Calcium Chloride in Concrete Products
Applying Asphalt to Brick Pavement
Road Maintenance Tips
The Story of 3 Low Cost Roads
Curing Concrete Roads
Road Base Stabilization
Road Surface Consolidation
Secondary Road Stabilization
Calcium Chloride for Low Temperature Refrigeration Brines
Skidproofing Icy Highways
Ending Slippery Ice on Sidewalks, Steps, etc.

Fourth Shelf
Solvay Products for Repackaging
Solvay Products and Their Uses
Solvay Products for use in:
Laundries
Building Cleaning
Dairy Operations
Dustproofing and Freezeproofing Coal

Bottom Shelf
Solvay Cleansers for: General Dairy Cleaning
Milk, Brewery and Beverage Bottle Washing
General Cleaning in: Breweries, Beverage and Food Plants, Factories, Institutions, etc.
Solvay Kit for Testing Alkali Solutions

1881
1941

* In 1941 Solvay celebrates the 60th Anniversary of its Founding.

The sixteenth annual banquet of the Drug, Chemical and Allied Trades section of the New York Board of Trade will be held on Thursday evening, March 13, 1941, at the Waldorf-Astoria in New York City. Make your reservations now!

Soda Ash—Soda Phosphate

Soda ash, bulk, c.l., works, 100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. — - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - -
bbls., c.l., works..100 lbs. 1.35 - —
bbls., l.c.l., Zone 1..100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia.; parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zne 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Soda, benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .42 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works.. 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks., or 9 bbls. or less, works..lb. .07¼- —
Soda, bifluoride, bbls.....lb. .11½- .12
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 22 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works.. 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works.. 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works..100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber drms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. No price
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
drms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, drms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
Soda, caustic, solid, 76% ammon., process, drms., c.l., works, 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, drms., c.l., works..100 lbs. 2.30 - —
Soda, caustic, solid, electro process, drms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08¼
Chromate, spot, c.l., works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08¾- —
smaller quantities.....lb. .08¾- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23¼
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots..lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., drms. lb. .14 - .15
imports, 90%, cs.....lb. No price
Diacetate, 35-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., works, frt. equal'd..100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l. works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
drms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
drms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
drms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
drms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
drms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.57
Mandelate, drms., 100-lb. drms.lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhydr., drms., c.l., works, frt. equald..100 lbs. 3.75 - —
15 drms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 drms., same basis.. 100 lbs. 4.80 - —
1-2 drms., same basis.. 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. .2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing points or ports, rail or boat shipment..ton.29.40 - —
200-lb. bgs., same basis.. ton.28.70 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 ton.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons..100 lbs. 5.70 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhy., drms., c.l., works, frt. equal'd..lb. 4.50 - —
15 drms. and over, same basis..lb. 5.45 - —
3-14 drms., same basis..lb. 5.60 - —
1- 2 drms., same basis..lb. 5.85 - —
flake, drms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs. bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —

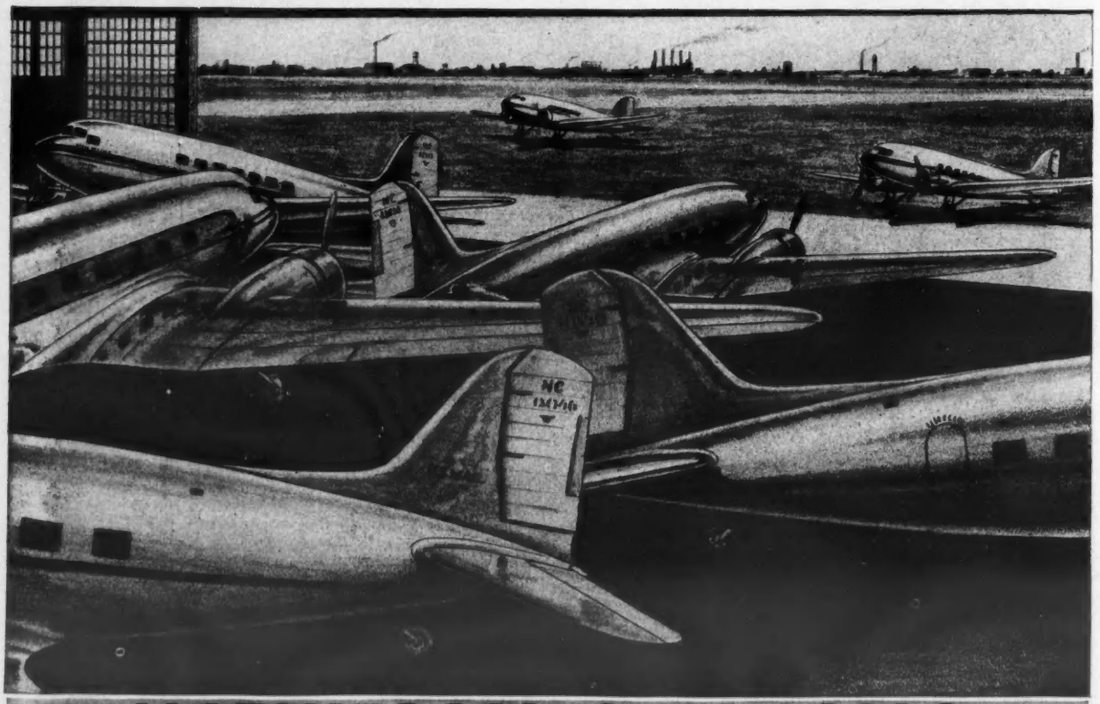
The Sky's The Limit

Suppose someone who lived forty or fifty years ago—say one of the founders of Mathieson—could pay us a visit today. And suppose we could have the pleasure of showing him the sights of 1941, of explaining the vast changes that have taken place since the turn of the century. What do you think would amaze the old gentleman most? If he were one of the pioneers who founded Mathieson, we believe he would be most interested in the revolutionary changes wrought by chemical progress and in the part his successors have played in building the present-day America. We would go about telling him the story as we tell it in this series of advertisements.

● Those, Mr. M., are airplanes. They were only a dream in your day. Now they're an accepted means of travel and transportation. Today you can journey from New York to San Francisco in only 10 hours. And speedier, more powerful ships are constantly being built.

In the development of this amazing industry, Mathieson Chemicals have contributed in many ways. The all-important dies used in making tools for plane and engine manufacture are conditioned with soap and grease containing alkalies. Dense soda ash is an essential raw material in the glass through which moderns look on a new world. Most important is the contribution caustic soda makes to the refining of high test gasoline for airplane engines. And in many another way — in upholstery, plastics, lacquers, rubber tires, lubrication oils and greases, even in those powerful landing lights, Mathieson products participate.

Yet the aviation industry is still young and Mathieson Chemicals have an active role to play in its growth and future success.



MATHIESON CHEMICALS

SODA ASH . . . CAUSTIC SODA . . . BICARBONATE OF SODA . . . LIQUID CHLORINE . . . BLEACHING POWDER . . . HTH PRODUCTS . . . AMMONIA, ANHYDROUS and AQUA . . . FUSED ALKALI PRODUCTS . . . SYNTHETIC SALT CAKE . . . DRY ICE . . . CARBONIC GAS . . . ANALYTICAL SODIUM CHLORITE

THE MATHIESON ALKALI WORKS (INC.)
60 E. 42ND STREET, NEW YORK, N. Y.

Soda, phosphate, monobasic, anhyd., bgs., c.l., works, 100 lbs. 7.25 - —
l.c.l., works.....10 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
bgs., c.l., works...100 lbs. 2.95 - —
l.c.l. works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....lb. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works, 100 lbs. 2.00 - —
10 dms. or over, dlvd. N.Y.C., lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..lb. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works...100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....160 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .09¾- .11
Stannate, dms.....lb. .32½- .35½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, bbls., dms..lb. .27 - .31
Sulphocyanide, dms., cns...lb. .28 - .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works....lb. .08 - —
tanks, works.....lb. .04½- —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15¼- —
smaller lots, works.....lb. .15¾- —
Soybean protein, bgs., c.l., works, lb. .11½- —
l.c.l., works.....lb. .11¾- .15
Sparteine sulphate, cns.....oz. 3.00 - 3.25
Spearmint leaves, bls.....lb. .30 - .31
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01½- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. 1.25 - 1.30
White, bls.....lb. No prices
powd., bbls., bxs.....lb. No prices
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.90 - —
dlvd., N.Y.....100 lbs. 3.25 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.60 - —
dlvd., N.Y.....100 lbs. 3.35 - —
Potato, dom., bgs.....lb. .04½- .05½
import, bgs.....lb. No price
Rice, bbls.....lb. .07½- .08½
Sweetpotato, bgs.....lb. .06¼- —
bbls. .....lb. .07 - —
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo, bbls.....lb. .06¾ Nom.
Stillingia root, bls.....lb. .07¼- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .75 - .80
Stramonium leaves, bls.....lb. .45 - .50
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .22 - .26
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed. Kombe, bgs..lb. 3.75 - 4.00
Strolyt acetate, bots.....lb. 3.10 - 3.30
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose Octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, 100 lbs. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton. 16.00 - -
f.o.b. steamers, Gulf ports, contract..long ton. 17.50 - —
Flowers, USP, bgs., c.l., mine, 100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine.....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
Flour, comm'l., bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
bbls., c.l., mine.....100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mine...100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine....100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.85 - —
Chloride, 55-gal. dms., c.l.....lb. .03 - —
l.c.l., dms., works.....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars .....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06½- .07
medium, bgs.....lb. .06 - .06¼
poultry, Argentine.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 40-48%, a.p.a., bulk, fob. Balto..unit-ton. .68 - —

T

Talc., dom., Calif., 1, bgs., c.l., mills..ton. 20.00 - —
2, bgs., c.l., mills.....ton. 17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills..ton. 14.00 - 16.00
l.c.l., mills.....ton. 16.00 - 18.00
96-98%, 325 mesh, c.l., mills, ton. 15.00 - 17.00
l.c.l., mills.....ton. 17.00 - 19.00
98-99½%, 325 mesh, bgs., c.l., mills..ton. 15.25 - 17.25
l.c.l., mills.....ton. 17.25 - 19.25
98-99½%, 325 mesh, bgs., l.c.l., mills.....ton. 17.25 - 19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton. 17.00 - 19.00
coarse, off color, bgs., c.l., mills..ton. 11.00 - 13.00
Ohio, flake, type grd., bgs., c.l., mills..ton. 21.00 - —
l.c.l., mills.....ton. 24.50 - —
Vermont, bgs., c.l., mills..ton. 14.00 - —
l.c.l., ex whse.....ton. 25.00 - —
Imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs. ex dock, arrival..ton. No prices
Tallow, extra, loose.....lb. .05 - —
special, loose.....lb. .04¾- —
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- —
l.c.l. .....lb. .04¾- —
50% (43% fat), dms., c.l..lb. .05¼- —
l.c.l. .....lb. .06¼- —
50% (43% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 8% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 2.50 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.50 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 2.75 & .10
high-grade, bulk, Chicago, unit-ton. 3.00 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments, unit-ton. 2.75 & .10
Tansy leaves, bls.....lb. .22 - .25
Tapioca flour, bgs.....lb. .06 - .06
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. 1.10 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more, lb. .39¾- —
less than 5.....lb. .40 - —
USP, powd., bbls.....lb. .45 - —
Terebene, cns.....lb. .75 - .80
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .23 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .09½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.90 - 3.00
Sodiosalicylate, cns.....lb. 2.15 Nom.
dms .....lb. 1.95 Nom.
5-lb. bots.....lb. 2.31 - 2.86
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works...lb. 2.60 - —
Thyme, French, bls.....lb. .65 - .67
Spanish, bls.....lb. .11½- .12
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Thiamine hydrochloride, cns.gram. .98 - 1.00
Timbo root (see Cube root).
Tin chloride (ous), anhyd.....lb. .47 - .47¼
Crystals, bbls. kgs.....lb. .38 - .38½
Metal, Straits.....lb. .5025- —
Oxide, bbls.....lb. .54 - .56
Tetrachloride, anhyd., bbls...lb. .23½- .23¾
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .13½- —
l.c.l., 5 tons, single delivery, lb. .13¾- —
1,000-9,999 lbs.....lb. .14 - —
50-999 lbs.....lb. .14¼- —
under 50 lbs.....lb. .16¼- —
bbls., c.l. (20 tons).....lb. .13¾- —
l.c.l., 5 tons, single delivery, lb. .14 - —
1,000-9,999 lbs.....lb. .14¼- —
50-999 lbs.....lb. .14½- —
non-chalking, bgs., c.l., (20 tons)..lb. .15½- —
l.c.l., 5 tons, single delivery, lb. .15¾- —
1,000-9,999 lbs.....lb. .16 - —
50-999 lbs.....lb. .16¼- —
under 50 lbs.....lb. .18½- —
bbls., c.l. (20 tons).....lb. .15¾- —
l.c.l., 5 tons, single delivery, lb. .16 - —
1,000-9,999 lbs.....lb. .16¼- —
50-999 lbs.....lb. .16½- —
chalk-resistant, bgs., c.l., (20 tons)..lb. .14 - —
l.c.l., 5 tons, single delivery, lb. .14¼- —
1,000-9,999 lbs.....lb. .14½- —
50-999 lbs.....lb. .14¾- —
under 50 lbs.....lb. .17 - —
bbls., c.l. (20 tons).....lb. .14¼- —
l.c.l., 5 tons, single delivery, lb. .14½- —
1,000-9,999 lbs.....lb. .14¾- —
50-999 lbs.....lb. .15 - —
barium or magnesium base, bgs., c.l., (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
under 50 lbs.....lb. .06½- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —
calcium base, bgs., c.l. (20 tons) lb. .05¼- —
l.c.l. .....lb. .05½- —
under 50 lbs.....lb. .06¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
l.c.l. .....lb. .05¾- —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05¼- —
l.c.l. .....lb. .05½- —
under 50 pounds.....lb. .06¼- —
bbls., c.l., (20 tons).....lb. .05½- —
l.c.l. .....lb. .05¾- —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouse.

Toluidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. .80 - .85
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld. gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l., same basis.....lb. .70 - —
tanks .....lb. .65 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd..lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Trichloroethylene, dms., c.l., works., frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Mo., N. J., Vt.,

Soda Phosphate—Wax, Bees

W. Va., Mo., Tenn., Ind., Ia., Pa., R. I. Ill., Mich., Minn., Wis., Del.; Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N .M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
Tech., dms.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .23½- .36¼
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton. 26.00 - —
double grd., bgs., c.l., works, ton. 16.00 - —
once-grd., bgs., c.l., works.ton. 14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .07¼- .08
Madras, bgs.....lb. .07¼- .07½
Turpentine, spirits, rsin, bbls., c.l., ex dck..gal. .49½- —
l.c.l., 10 ex dock.....gal. .51½- —
5 ex dock.....gal. .53½- —
wood, dest., dist., dms., c.l., dlvd. E. ports..gal. .35 - —
l.c.l. .....gal. .36 - —
tanks, dlvd. E. cities..gal. .30 - —
steam-dist., dms., c.l., dlvd.gal. .41 - —
l.c.l., dlvd.....gal. .44 - —
tanks, dlvd.....gal. .36 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton. 85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton. 85.00 - —
smaller lots, f.o.b. Newark, New York, Philadelphia, ton. 91.00 - —
any quantity, f.o.b. Belle, W. Va..ton. 85.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports..ton. 57.40 - —
bags, same basis.....ton. 59.40 - —
45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. ton. 121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports..ton. 127.00 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .85 - .90
Valonia, beards, bgs., f.a.s...ton. No price
cups, bgs., f.a.s.....ton. No price
Vanadium pentoxide, C.P., bgs., lb. 7.00 - —
cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 9.50 Nom.
Mexican, tins.....lb. 9.50 Nom.
cuts, tins.....lb. 8.50 Nom.
South American, tins.....lb. 9.50 Nom.
Tahiti, tins.....lb. 5.75 Nom.
Oleoresin, bots.....lb. No quotations
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs.....lb. 1.25 - 1.30
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton. 37.50 - 39.50
Extract, solid, bgs.....lb. .03¾- —
Wax, bayberry, import, bgs..lb. .19 - .20
Bees, white, bleach, slabs, cs., lb. .38 - —
cake, cs.....lb. .39 - —
discs, cs.....lb. .40 - —
yellow, crude, Africa, 10-bg. lots..lb. .30 Nom.
1 bg.....lb. .30½ Nom.
Brazil, bgs., 5-ton lots..lb. .31 - .32
1 ton.....lb. .31½- .32½
500 lbs.....lb. .32 - .33
100 lbs.....lb. .32½- .33
refd., slabs, cs., lbs.....lb. .35 - .36

Wax, Candelilla—Beckacite

Wax, candelilla, bgs., l ton....lb. .19½- .20
Jobbing lots.....lb. .20 - .20½
Carnauba, No. 3 chalky, bgs., l ton...lb. .58 - .59
5 bgs.....lb. .58½- .59½
1 bg.....lb. .59 - .60
N. C., 2, bgs., l ton.....lb. .67 - .68
N. C., 3, bgs., l ton.....lb. .62 - .63
5 bgs.....lb. .62½- .63½
1 bg.....lb. .63 - .64
refined, bgs.....lb. .66 - .67
yellow, No. 1, bgs., ton....lb. .71 - .72
5 bgs.....lc. .71½- .72½
1 bg.....lb. .72 - .73
No. 2, bgs., l ton.....lb. .69 - .70
Ceresin, dom., 138°, 140° m.p., bgs., l ton...lb. .11 - .11½
jobbing lots.....lb. .12 - .12½
150°-160° m.p., bgs., l ton.lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
160° m.p., bgs., l ton.....lb. .14 - .14½
jobbing lots.....lb. .15 - .15½
Japan, cs.....lb. .18 - .18½
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than l ton.....lb. No prices
Ozokerite, hard, green congeal, p. 66°-68° C., bgs...lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.50 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l. works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, blp. bgs., c.l., works. ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air floated, 99.75%, 250 mesh, paper bags, c.l.ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works. ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
wet-grd., limestone, gilders. extra, bgs., c.l., works. ton.12.50 - —
l.c.l., 8-20 tons, works..ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works...ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y...ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
Import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. 1.00 - 1.10

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
tanks, W. Coast, f.o.b. Minneapolis, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .39 - —
3°, dms., returnable, works.gal. .45 - —
tanks, E. of Omaha, frt alld. gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.35
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .55 - —
Yellow, cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works., frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP., bbls., dlvd., N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul contracts, lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¾c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
yellow A, bbls., works....lb. .02¼- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans for import..lb. .02475 Nom.
New York (f.o.b.)..lb. .02¾ Nom.
Philadelphia for import..lb. .02¾ Nom.
ex dock San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle...lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis..lb. .03¾ Nom.
New York.....lb. .03 Nom.
Pittsburgh.....lb. .03¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02⅞ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y. lb. .04¼- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .16 - —
open order.....lb. .16 - —
Navy specification type, contracts..lb. .16 - —
open order.....lb. .16 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, vis..oz. 3.00 - 3.50

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd., lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25 lb. dms.....lb. .37½- —
kgs.....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
USP, 200-lb. dms.....lb. .26 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l., works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .09½- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.35 - —
jars.....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Meta (see daily quotations in Market report).
Oxide, pigment, dom., Amer. process, com'l., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
leaded, 5%, bgs., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
35%, bgs., c.l., dlvd.lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
Zinc, oxide, leaded, 50%, bgs., c.l., dlvd., except Pac. cst..lb. .06 - —
Pac. cst..lb. .0606- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd., except Pac. Cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
green seal, bgs., c.l., dlvd., lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .06½- —
bbls., c.l., dlvd..lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
red seal, bgs., c.l., dlvd.lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
seal, bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
white seal, bgs., c.l., dlvd..lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
bbls., c.l., dlvd..lb. .09 - —
bbls., c.l., dlvd., except Pac. cst..lb. .09½- —
ex whse., Pac. cst..lb. .09¼- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse..lb. No prices
white, seal, cks., ex whse..lb. No prices
USP, bbls., c.l.....lb. .09¾- —
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .22 - —
l.c.l., 1 ton.....lb. .23 - —
1,000-2,000 lbs.....lb. .24 - —
less than 1,000 lbs..lb. .25 - —
USP, bbls.....lb. .23 - .26
Sulphate, cryst., bgs., c.l.... 100 lbs. 3.00 - —
l.c.l. .....100 lbs. 3.73 - —
bbls., c.l.....100 lbs. 3.15 - —
l.c.l. .....100 lbs. 3.90 - —
flake, bgs., c.l.....100 lbs. 3.35 - —
l.c.l. .....100 lbs. 4.10 - —
bbls., c.l.....100 lbs. 3.50 - —
l.c.l. .....100 lbs. 4.25 - —
powd., bgs., c.l.....100 lbs. 4.70 - —
l.c.l. .....100 lbs. 5.45 - —
bbls., c.l.....100 lbs. 4.85 - —
l.c.l. .....100 lbs. 5.60 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .07¾- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08 - —
bbls., c.l., 20 bbls., c.l. (20 tons), dlvd..lb. .08 - —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08¼- —
barium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
calcium pigments, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
magnesium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05¾- —
Zinc, sulphocarbonate, NF, bbls., dms..lb. .24 - .29
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .05¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

A

Abalyn (methyl abietate), c.l., dms., works..lb. .07 - —
l.c.l., lots of 10, dms., works.lb. .08 - —
single dms., works.....lb. .09 - —
5-gal. cans, works.....lb. .14 - —
Aroclors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, alkyd resins, BR, 10025, bbls., 30,000 lbs., works lb. .25 - —
15,000 lbs., works.....lb. .28½- —
5,000 lbs., works.....lb. .29 - —
XR, 10024, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
Bakelite, carbic anhydride, oil modified, BR, 13630, 30,000 lbs., works..lb. .27 - —
15,000 lbs., works.....lb. .27½- —
5,000 lbs., works.....lb. .28 - —
14590, 30,000 lbs., works, lb. .26 - —
15,000 lbs., works.....lb. .26½- —
5,000 lbs., works.....lb. .27 - —
resin modified, BR, 13202, 30,000 lbs., works.....lb. .15 - —
15,000 lbs., works.....lb. .15½- —
5,000 lbs., works.....lb. .16 - —
dispersion resin, BK, 3962 dms., 30,000 lbs., works.....lb. .2490- —
15,000 lbs., works.....lb. .2540- —
5,000 lbs., works.....lb. .2590- —
XK, 6791, dms., 30,000 lbs., works..lb. .2540- —
15,000 lbs., works.....lb. .2590- —
5,000 lbs., works.....lb. .2640- —
14504, dms., 30,000 lbs., works..lb. .28 - —
15,000 lbs., works.....lb. .28½- —
5,000 lbs., works.....lb. .29 - —
lacquer, BR, 2342, dms., 30,000 lbs., works..lb. .27 - —
15,000 lbs., works.....lb. .27½- —
5,000 lbs., works.....lb. .28 - —
XJ, 10433, dms., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
XR, 3180, dms., 30,000 lbs., lb. .16 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
phenolic, 100%, BR, 254, bbls, 30,000 lbs., works..lb. .42 - —
15,000 lbs., works.....lb. .42½- —
5,000 lbs., works.....lb. .43 - —
3360, bbls., 30,000 lbs., works..lb. .36 - —
15,000 lbs., works.....lb. .36½- —
5,000 lbs., works.....lb. .37 - —
4036, bbls., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
6882, bbls., 30,000 lbs., works..lb. .40 - —
15,000 lbs., works.....lb. .40½- —
5,000 lbs., works.....lb. .41 - —
8900, bbls., 30,000 lbs., works..lb. .39 - —
15,000 lbs., works.....lb. .39½- —
5,000 lbs., works.....lb. .40 - —
9432, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .29½- —
5,000 lbs., works.....lb. .30 - —
9434, bbls., 30,000 lbs., works..lb. .20 - —
15,000 lbs., works.....lb. .20½- —
5,000 lbs., works.....lb. .21 - —
10282, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works.....lb. .32½- —
5,000 lbs., works.....lb. .33 - —
13468, bbls., 30,000 lbs., works..lb. .19¾- —
15,000 lbs., works.....lb. .20¼- —
5,000 lbs., works.....lb. .20¾- —
14634, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
XR, 9517, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .29½- —
5,000 lbs., works.....lb. .30 - —
modified oil, BR, 302, bbls., 30,000 lbs., works..lb. .2870- —
15,000 lbs., works.....lb. .2920- —
5,000 lbs., works.....lb. .2970- —
2175, bbls., 30,000 lbs., works..lb. .2810- —
15,000 lbs., works.....lb. .2860- —
5,000 lbs., works.....lb. .2910- —
resin, BR, 2072, bbls., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works.....lb. .23½- —
5,000 lbs., works.....lb. .24 - —
2963, bbls., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
9366, bbls., 30,000 lbs., works..lb. .18½- —
15,000 lbs., works..lb. .19 - —
5,000 lbs., works.....lb. .19½- —
11504, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
11544, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .1970- —
15,000 lbs., works.....lb. .2020- —
5,000 lbs., works.....lb. .2070- —
2681, dms., 30,000 lbs., works..lb. .2520- —
15,000 lbs., works.....lb. .2570- —
5,000 lbs., works.....lb. .2620- —
13574, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
Beckacite, modified phenolic, 1100, dms., 1-9, frt. pd..lb. .14½- —
1101, dms., 1-9, frt. pd.....lb. .13 - —
1102, dms., 1-9, frt. pd.....lb. .12½- —
1106, dms., 1-9 frt. pd.....lb. .14 - —
1107, dms., 1-9, frt. pd.....lb. .13 - —
1108, dms., 1-9 frt. pd.....lb. .11 - —
1112, dms., 1-9, frt. pd.....lb. .14½- —
1113, dms., 1-9, frt. pd.....lb. .12 - —
1116, dms., 1-9, frt. pd.....lb. .14½- —
P-146, dms., 1-9, frt. pd....lb. .11½- —
P-147, dms., 1-9, frt. pd....lb. .12 - —
1121, dms., 1-9, frt. pd.....lb. .17½- —
1122, dms., 1-9, frt. pd.....lb. .14½- —
1123, dms., 1-9, frt. pd.....lb. .14½- —
1124, dms., 1-9 frt. pd.....lb. .15½- —
nonphenolic, 1110, dms., 1-9, frt. pd..lb. .14 - —
1111, dms., 1-9, frt. pd.....lb. .14 - —
1114, dms., 1-9, frt. pd.....lb. .14 - —
1120, dms., 1-9, frt. pd.....lb. .14 - —

Beckacite prices in lots of 10 dms., or more are ½c. per lb. less than above; in carloads, 1c. per lb. less. These prices apply in N. E. and Mid-Atl. States, Ill., Ind., Ky., Mich., Minn., N. C., Ohio, Va., W. Va., Wis., and St. Louis, Mo.; add ¾c. per lb. on less than carloads and ½c. per lb. on carloads to Ark., Iowa, Kan., Mo. (except St. Louis), Neb., N. D., Okla., S. D., all South. States, and Dallas and Houston, Tex.; for Calif. add ¾c. per lb. on less than carloads and ½c. per lb. on carloads of regular items covered by contract, on items not shown in this list and items not covered by contract which must be shipped direct from Detroit, Mich., or Elizabeth, N. J., add 2c. per lb. on less than carloads and 1c. per lb. on carloads; carload prices listed above apply on shipments by water from

Elizabeth, N. J., ex dock at Los Angeles, San Francisco, or Seattle; add 2c. per lb. on less than carloads and 1c. per lb. on carloads to Tex. (except Dallas and Houston) and all other points in the U. S. not mentioned in the foregoing.

Beckamine, 3440, ex. lt., dms., 1-9, frt. pd..lb. .22½- —
P-2, dms., 1-9, frt. pd.....lb. .12 - —
P-138, dms., 1-9, frt. pd.....lb. .21½- —
P-196, dms., 1-9, frt. pd.....lb. .24 - —
P-198, dms., 1-9, frt. pd.....lb. .36 - —

Beckamine prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckolin, No. 17, dark, dms., 1-9, frt. pd..lb. .16½- —
No. 27, light, dms., 1-9, frt. pd.. lb. .18½- —

Beckolin prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckopol, 1400, dms., 1-9, frt. pd..lb. .17½- —

Beckopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckosol, emulsion, 1500, dms., 1-9, frt. pd..lb. .11½- —
1501, dms., 1-9, frt. pd.....lb. .12½- —
Solid, 1, dms., 1-9, frt. pd...lb. .27 - —
3, dms., 1-9, frt, pd.....lb. .23 - —
7, dms., 1-9, frt. pd.....lb. .23 - —
13, dms., 1-9, frt. pd.....lb. .23 - —
18, dms., 1-9, frt. pd.....lb. .23 - —
19, dms., 1-9, frt. pd.....lb. .28 - —
24, dms., 1-9, frt. pd.....lb. .31 - —
31, dms., 1-9, frt. pd.....lb. .23 - —
32, dms., 1-9, frt. pd.....lb. .22 - —
40, dms., 1-9, frt. pd.....lb. .19 - —
Solution, nonphenolic, 1309, dms., 1-9, frt. pd..lb. .18¼- —
1319, dms., 1-9, frt. pd..lb. .19¼- —
1321, dms., 1-9, frt. pd..lb. .17¼- —
1940, dms., 1-9, frt. pd..lb. .09½- —
1941, dms., 1-9, frt. pd..lb. .09¼- —
P-238, dms., 1-9, frt. pd..lb. .18½- —
wrintex, dms., 1-9, frt. pd. lb. .16 - —
phenol modified, 1303, dms., 1-9, frt. pd..lb. .13¼- —
1304, dms., 1-9, frt. pd..lb. .13½- —
1320, dms., 1-9, frt. pd..lb. .14 - —
1325, dms., 1-9, frt. pd..lb. .13 - —
1328, dms., 1-9, frt. pd..lb. .12 - —
1329, dms., 1-9, frt. pd..lb. .12 - —
phenol modified and oil extended, 1, dms., 1-9, frt. pd..lb. .14½- —
2, dms, 1-9, frt. pd.....lb. .14 - —
1316, dms., 1-9, frt. pd..lb. .15½- —
1326, dms., 1-9, frt. pd..lb. .13 - —
P-239, dms., 1-9, frt. pd..lb. .11¼- —
phenol, pure, alkyd, 1306, dms., 1-9, frt. pd..lb. .12½- —
1307, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .13½- —
1308, dms., 1-9, frt. pd..lb. .14½- —
1313, ex. lt., dms., 1-9, frt. pd..lb. .13½- —
light, dms., 1-9, frt. pd.lb. .12½- —
1.118, dms., 1-9, frt. pd..lb. .17½- —
1323, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .13½- —
1324, dms., 1-9, frt. pd..lb. .28½- —
1331, dms., 1-9, frt. pd..lb. .12½- —
1332, dms., 1-9, frt. pd..lb. .12 - —
1333, dms., 1-9, frt. pd..lb. .15½- —
1334, dms., 1-9, frt. pd..lb. .13½- —
P-7, dms., 1-9, frt. pd..lb. .14½- —
P-18, dms., 1-9, frt. pd..lb. .12½- —
P-94, dms., 1-9, frt. pd..lb. .16½- —
P-236, dms., 1-9, frt. pd.lb. .13 - —
P-270, dms., 1-9, frt. pd..lb. .13½- —

Beckosol, solid, prices in lots of 10 dms. or more are ¾c. per lb. less than above; in carloads, 1½c. per lb. less; prices of other Beckosols are ¼c. per lb. less in lots of 10 dms. or more, 1c. per lb. less in carloads; all are subject to the same geographical differentials as Beckacite.

C

Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
DX, dms., gross weight, works, lb. .04½- —
EX, dms., gross weight, works, lb. .04½- —
FX, dms., gross weight, works, lb. .05 - —
MH col. 1, dms, works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½-3½, dms., works.....lb. .09 - —
9, dms, works.....lb. .06 - —
M.S., dms., works.....lb. .10 - —
P, 10°-90° C., col. 2½ and darker, dms., works..lb. .10 - —
RH, dms., works.....lb. .10 - —
R.S., dms., works.....lb. .10 - —
Special soft, dms., works....lb. .10 - —
V, col. ½, dms., works.....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
W, col., ½, dms., works..lb. .13 - —
1, dms., works.....lb. .12 - —
1½-2, dms., works.....lb .11 - —
2½ and darker, dms., works, lb. .10 - —

Cumar prices includes frt. equald., with Pittsburgh; prices on contracts are ¼c. per pound lower.

D

Durite, 1,301, pale, one drum and over..lb. .25 - —
smaller lots.....lb. .26 - —
1,321, c.l.....lb. .40 - —
2,000 lbs. to c.l.....lb. .41 - —
smaller lots.....lb. .42 - —

All Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, solid, Grade A, c.l., dlvd. lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms., or less, dlvd....lb. .23¼- —
B, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .22¼- —
9 dms., or less, dlvd....lb. .23 - —
D, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .22¼- —
9 dms. or less, dlvd....lb. .23 - —
H-1, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms., or less, dlvd....lb. .23¼- —
PV, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .22¼- —
9 dms. or less, dlvd....lb. .23 - —
Esterol, 1-L, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
575, c.l., dlvd.....lb. .23 - —
10 dms. or more, dlvd....lb. .23¾- —
9 dms. or less, dlvd....lb. .24½- —
701, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
750, c.l., dlvd.....lb. .21 - —
10 dms. or more, dlvd....lb. .21¾- —
9 dms., or less, dlvd....lb. .22½- —
809, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
830, c.l., dlvd.....lb. .22½- —
10 dms. or more, dlvd....lb. .23¼- —
9 dms. or less, dlvd....lb. .24 - —
Solution, Grade A, c.l., dlvd..lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd.....lb .14 - —
B, c.l., dlvd.....lb. .11¾- —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .12¾- —
D, c.l., dlvd.....lb. .11¾- —
10 dms. or more, dlvd....lb. .12¼- —
9 dms. or less, dlvd....lb. .12¾- —
E, c.l., dlvd.....lb. .14 - —
10 dms. or more, dlvd....lb. .14½- —
9 dms. or less, dlvd....lb. .15 - —
H-1, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
PV, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .15 - —
1-L, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
Esterol, solution, 562, c.l., dlvd. lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms, or less, dlvd.....lb. .14 - —
575, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd.....lb. .14½- —
640-N, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd.....lb. .13 - —
660-N, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd.....lb. .11½- —
701, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd.....lb. .13 - —
747, c.l., dlvd.....lb. .11¼- —
10 dms. or more, dlvd....lb. .11¾- —
9 dms. or less, dlvd.....lb. .12¼- —
750, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd.....lb. .14½- —
809, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd.....lb. .13 - —
830, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd.....lb. .14½- —
1800, c.l., dlvd.....lb. .12¼- —
10 dms. or more, dlvd....lb. .12¾- —
9 dms. or less, dlvd.....lb. .13¼- —
1825, c.l., dlvd.....lb. .14 - —
10 dms. or more, dlvd....lb. .14½- —
9 dms. or less, dlvd.....lb. .15 - —
2185, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd.....lb. .11½- —

Beckamine—Hydrogum

Esterole, solution, 2195, c.l., dlvd. lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd.....lb. .14½- —
2633, c.l., dlvd.....lb. .11½- —
10 dms. or more, dlvd....lb. .12 - —
9 dms. or less, dlvd....lb. .12½- —
2600, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd.....lb. .16 - —

G

G, resin, dms., grass weight, works..lb. .07½- —

G resin prices on contracts terminating Dec., 1941, are ½c., per pound lower; Los Angeles and San Francisco ex warehouse, 3c. per pound extra.

2633, cl., dlvd.....lb. .11½- —
Guai-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

H

Hercolyn (hydrogenated methyl abietate), dms., c.l., works. lb. .11 - —
l.c.l., lots of 10, works.....lb. .12 - —
single dms., works.....lb. .13 - —
cns., works.....lb. .16 - —
Hydrogum, P-190, c.l., dms., frt. pd..lb. .12 - —
l.c.l., 10 dms., frt. pd.....lb. .12½- —
1-9 dms., frt. pd.....lb. .13 - —

Hydrogum prices are subject to the same geographical differentials as Beckacite.

Compare Your 1941 House Paint With These 12 National Brands

AVERAGE ZINC OXIDE CONTENT

Select the Right ZINC PIGMENT

ZINC OXIDE PIGMENTS
HORSE HEAD BRANDS
LEADED BRANDS
FLORENCE BRANDS
KADOX BRANDS
PHARMACEUTICAL
AGRICULTURAL

ZINC SULFIDE PIGMENTS
CRYPTONE ZS — ZINC SULFIDE—TECHNICALLY PURE
CRYPTONE BA — ZINC SULFIDE—BARIUM PIGMENT
CRYPTONE ET — ZINC SULFIDE—TITANIUM—BARIUM PIGMENT
CRYPTONE CB — ZINC SULFIDE—CALCIUM PIGMENT
CRYPTONE MS — ZINC SULFIDE—MAGNESIUM PIGMENT

LITHOPONE
ALBALITH

METALLIC ZINC POWDER
STANDARD ZINC DUST

New Jersey Zinc

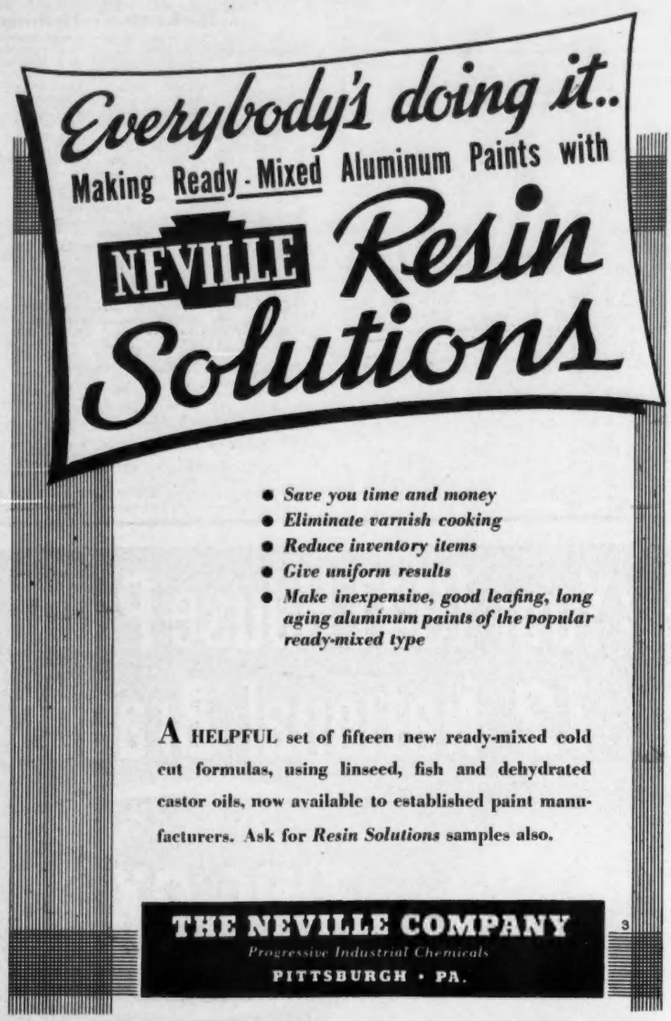
Examine all types of house paint formulations, but pay particular attention to what your industry at large is doing. Ask yourself why 12 of the largest selling, nationally advertised brands of white outside paints have an average zinc oxide content of 28.4% — why the trend is to even higher percentages.

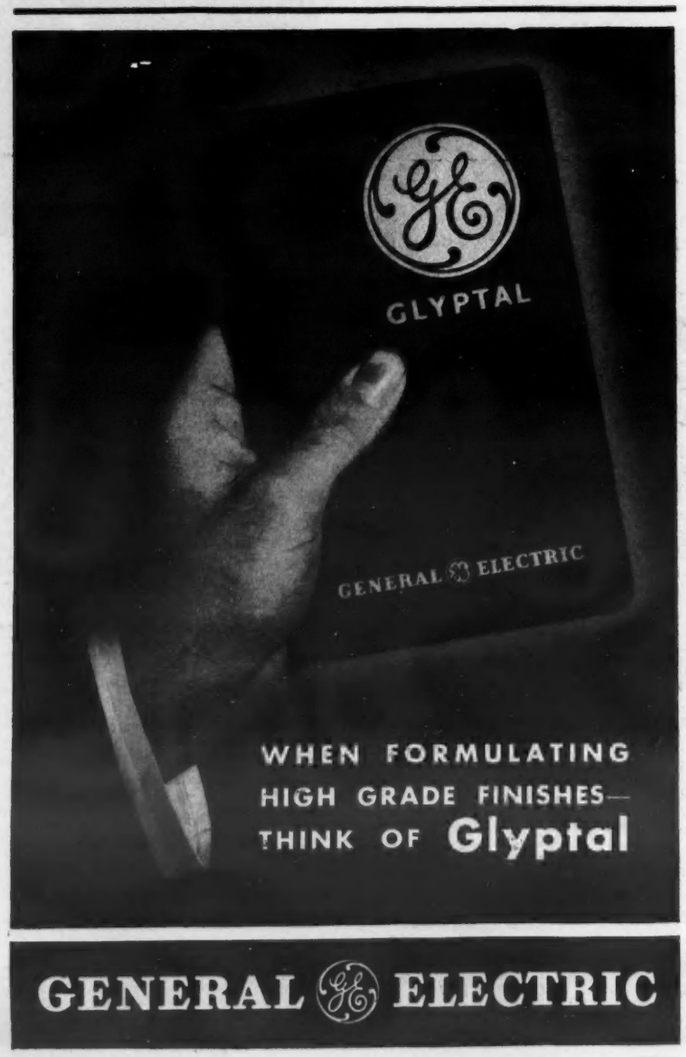
If you are using this average amount of zinc oxide, you can supply most of the answers yourself. Of course, keeping zinc oxide content up improves the durability of *any* house paint.

But even experienced formulators are apt to lose sight of the fact that *only* zinc oxide in adequate percentages offers *all four* of these advantages: (1) a smoother, firmer film, (2) greatest protection against destructive ultra-violet rays, (3) a detergent effect that sheds chalk and dirt, keeping house paints clean and white, and (4) mildew inhibition.

That's the kind of performance that will sell paint for you in 1941. Examine our "most *complete* line of zinc oxides." You'll be sure to find one that meets your exact requirements.

THE NEW JERSEY ZINC COMPANY 160 FRONT STREET NEW YORK, N.Y.


Everybody's doing it..
Making Ready-Mixed Aluminum Paints with
NEVILLE Resin Solutions
• Save you time and money
• Eliminate varnish cooking
• Reduce inventory items
• Give uniform results
• Make inexpensive, good leafing, long aging aluminum paints of the popular ready-mixed type
A HELPFUL set of fifteen new ready-mixed cold cut formulas, using linseed, fish and dehydrated castor oils, now available to established paint manufacturers. Ask for Resin Solutions samples also.
THE NEVILLE COMPANY
Progressive Industrial Chemicals
PITTSBURGH • PA.



Jozite—Paranol Resin

J

Jozite (zinc-iron oxide pigment in regular price list above).

K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd. E. of Rockies.lb. .06¾- —
Pac. coast, ex whse.....lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd. E. of Rockies.lb. .07 - —
Pac. coast, ex whse.....lb. .07 - —
No. 25, bgs., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd. E. of Rockies, lb. .08 - —
Pac. coast, ex whse.....lb. .08 - —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd. E. of Rockies, lb. .08½- —
Pac. coast, ex whse....lb. .08½- —

Katalised oil, 666, dms., c.l., frt. pd..lb. .23½- —
l.c.l., frt. pd.....lb. .23 - —
Katalised oil prices are subject to the same geographical differentials as Beckacite.

Kopol, 500, dms., 1-9, frt. pd..lb. .18½- —
501, dms., 1-9, frt. pd.....lb. .16½- —
502, dms., 1-9, frt. pd.....lb. .15 - —
Kopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

R-C copal, cracked nut, dms., c.l., frt. pd..lb. .12 - —
l.c.l., frt. pd.....lb. .12½- —
R-C copal prices are subject to the same geographical differentials as Beckacite.

L

Lewisol resin, modified alkyd, No. l.c.l., dlvd..lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 2, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 2L, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 3, c.l., dlvd.....lb. .16½- —
l.c.l., 10 dms., dlvd.....lb. .17½- —
1-9 dms., dlvd.....lb. .18½- —
No. 18, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 24, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 28, c.l., dlvd.....lb. .13 - —
l.c.l., dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —
No. 33, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —
Modified phenolics, No. 101, c.l., dlvd..lb. .17½- —
l.c.l., 8 dms., dlvd.....lb. .18 - —
1-7 dms., dlvd.....lb. .18½- —
No. 115, c.l., dlvd.....lb. .10½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11 - —
smaller quantities, dlvd.lb. .11½- —
No. 120, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 125, c.l., dlvd.....lb. .11 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11½- —
smaller quantities, dlvd.lb. .12 - —
No. 150, c.l., dlvd.....lb. .13½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .14 - —
smaller quantities, dlvd.lb. .14½- —
No. 300, c.l., dlvd.....lb. .30 - —
l.c.l., 8 dms., dlvd.....lb. .30½- —
1-7 dms., dlvd.....lb. .31 - —
No. 305, c.l., dlvd.....lb. .11 - —
l.c.l., 8 dms., dlvd.....lb. .11½- —
1-7 dms., dlvd.....lb. .12 - —
No. 310, c.l., dlvd.....lb. .13½- —
l.c.l., 8 dms., dlvd.....lb. .14 - —
1-7 dms., dlvd.....lb. .14½- —
No. 320, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —

N

Neo-Fat drying oil, 17 T.G., dms., c.l., dlvd..lb. .10¼- —
19 T.G., dms., c.l., dlvd....lb. .13½- —
19 T.G. bodied, dms., c.l., dlvd..lb. .14¾- —
fatty acids, 3R, dms., c.l., dlvd. lb. .08¾- —
17, dms., c.l., dlvd.....lb. .09 - —
19, dms., c.l., dlvd.....lb. .11½- —
23, dms., c.l., dlvd.....lb. .09½- —
Neo-fat prices are ¼c. per lb. higher in Texas, ¾c. higher on Pacific Coast.

Nevillac, pale, hard, dms., works, lb. .13 - —
hard, 85-93° C, dms., works..lb. .11 - —
soft, 65-75°C, dms., works..lb. .11 - —
Nevillac prices on contracts terminating Dec., 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .12 - —
R-5, nevindene, col. 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col. 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms., works..lb. .12 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works..lb. .12 - —
R-10, hard, col. 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col. 2½-3½, dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .12 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2 dms., works..lb. .10 - —
R-16, medium, col. 2½-4, dms., works..lb. .09 - —
R-16-A, medium, col. 7-10, dms., works..lb. .06 - —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —

Neville Resin, R-27, medium soft, col. 1, dms., works..lb. .12½- —
R-28, medium soft, col. 1½-2, dms., works..lb. .11½- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10 - —
465, 110-125° C., dms., gross weight, f.o.b. Pittsburgh..lb. .08 - —
Modified polystyrene, LX-228, 90-110° C., col. 3-3½, dms.lb. .45 - —
LX-229, 125-140° C., col. 2-4, dms..lb. .35 - —
LX-230, 125-140° C., col. 2-3, dms..lb. 1.10 - —
LX-231, 145-160° C., col. 2-3, dms..lb. .90 - —
Neville resin prices, except 465 resin, are freight equalized with Phila.; prices on contracts terminating Dec., 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra. Modified polystyrene resins are 5c. per lb. additional for less than full drum shipments and are f.o.b. Neville Island, Pa.

Nevillite, "V," water-white, 100-lb. dms., works..lb. 1.25 - —
No. 4, very light straw, 100-lb. dms., works..lb. .42 - —
No. 123, water-white, 100-lb. dms., works..lb. .50 - —
oil, dms., works.....lb. 1.40 - —

Nevinol, dms. works.....lb. .13 - —
oil, heavy, rfd., dms., works, lb. .10 - —

Notol, tanks, f.o.b. Pittsburgh, gal. .23 - —
dms., returnable.....gal. .28 - —

Nuba, 1, 80-95°C., dms., gross weight, works..lb. .0265- —
2, 100-125°C., dms., gross weight, works..lb. .0265- —
3x, 135-150°C., dms., gross weight, works..lb. .04 - —
Nuba resin prices on contracts terminating December, 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .28½- —
11½%, 100-lb. pkgs.....lb. .52 - —
cobalt acetate, 100-lb. pkgs., lb. .80½- —
iron, 6%, 400-lb. pkgs.....lb. .13½- —
11%, 100-lb. pkgs.....lb. .23 - —
lead, 24%, 450-lb. pkgs.....lb. .12½- .13½
32%, 450-lb. pkgs.....lb. .16 - —
34%, 100-lb. pkgs.....lb. .16¾- —
40%, 100-lb. pkgs.....lb. .19¾- —
lead 30%, cobalt 3%, 150-lb. pkgs..lb. .28¼- —
lead 30%, manganese 3%, 150-lb. pkgs..lb. .21 - —
manganese, 6%, 400-lb. pkgs..lb. .13 - .14
10½%, 100-lb. pkgs.....lb. .21¾- —
zinc, 8%, 400-lb. pkgs.....lb. .14 - —
10%, 400-lb. pkgs.....lb. .17 - —
14%, 100-lb. pkgs.....lb. .23¼- —

Nuodite, cobalt, 18%, 100-lb. pkgs., lb. .71½- —
lead, 64%, 100-lb. pkgs.....lb. .23 - —
manganese, 24%, 100-lb. pkgs., lb. .30 - —
All prices are f.o.b. customers' plants, East of Denver.

Nypene resin, dms., c.l., works, lb. .16 - —
l.c.l. .....lb. .16½- —

P

Paradene, No. 1, 75-99°C., dms., gross wt., works..lb. .04½- —
2, 100-124°C., dms., gross wt., works..lb. .04½- —
Paradene prices on contract, terminating Dec., 1941, are ¼c. lower; prices are freight equalized with Philadelphia, Pa.

Paradura resin, grade AV, c.l., dlvd..lb. .25 - —
10 pkgs. or more, dlvd....lb. .26 - —
9 pkgs. or less, dlvd.....lb. .27 - —
C, c.l., dlvd.....lb. .29½- —
10 pkgs. or more, dlvd.....lb. .30½- —
9 pkgs. or less, dlvd.....lb. .31½- —
10-F, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
46, c.l., dlvd.....lb. .21½- —
10 pkgs. or more, dlvd.....lb. .22½- —
9 pkgs. or less, dlvd.....lb. .23½- —
273, c.l., dlvd.....lb. .23 - —
10 pkgs. or more, dlvd....lb. .24 - —
9 pkgs. or less, dlvd.....lb. .25 - —
367, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
540, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —

Paranol resin, extra hard, No. 1, c.l., dlvd..lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
Extra hard, No. 2, c.l., dlvd.lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
Extra hard, No. 3, c.l., dlvd.lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
Hard, No. 1, c.l., dlvd.....lb. .12½- —
10 pkgs. or more, dlvd.....lb. .13 - —
9 pkgs. or less, dlvd.....lb. .13½- —
Hard, No. 2, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
Hard, No. 3, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
100, c.l., dlvd.....lb. .15½- —
10 pkgs. or more, dlvd....lb. .16 - —
9 pkgs. or less, dlvd.....lb. .16½- —
105, extra light, c.l., dlvd....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
105, dark, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
105-D, extra light, c.l., dlvd.lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
200, c.l., dlvd.....lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
500, hard, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
500, extra hard, c.l., dlvd....lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
800, extra light, c.l., dlvd....lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
800, dark, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
850, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
900, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
1574, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
1600, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
1639, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —

Paranol resin, hard, 1640, c.l., divd..lb. .12½- —
10 pkgs. or more, divd.....lb. .14 - —
9 pkgs. or less, divd.....lb. .14½- —
1650, c.l., divd.....lb. .12 - —
10 pkgs. or more, divd.....lb. .12½- —
9 pkgs. or less, divd.....lb. .13 - —
1700, c.l., divd.....lb. .14 - —
10 pkgs. or more, divd.....lb. .14½- —
9 pkgs. or less, divd.....lb. .15 - —
LB, No. 1, c.l., divd.....lb. .13 - —
10 pkgs. or more, divd.....lb. .13½- —
9 pkgs. or less, divd.....lb. .14 - —
LB, No. 5, c.l., divd.....lb. .13 - —
10 pkgs. or more, divd.....lb. .13½- —
9 pkgs. or less, divd.....lb. .14 - —
LB, No. 89, c.l., divd.....lb. .11½- —
10 pkgs. or more, divd.....lb. .12 - —
9 pkgs. or less, divd.....lb. .12½- —
LN, 100, c.l., divd.....lb. .13½- —
10 pkgs. or more, divd.....lb. .14 - —
9 pkgs. or less, divd.....lb. .14½- —
Phenester, color 3½-5, dms., works, lb. .17 - —
P.H.O., dms., works,.....lb. .19 - —
Pliolite, powder, ton lots, works, lb. .66 - —
smaller lots, works.....lb. .69 - .74
Pliolite resin, clear, ton lots, works..lb. .75 - —
smaller lots, works.....lb. .79 - .84
No. 20, ton lots, works....lb. .75 - —
smaller lots works.....lb. .79 - .84
No. 40, ton lots, work.....lb. .75 - —
smaller lots, works.....lb. .79 - .84

R

Resinous oil, No. XI, dms., works, lb. .019 - —

S

Staybelite resin, c.l. (36,000 lbs.), f.o.b. cars East of and including N. D., S. D., Neb., Kan., Okla. and Tex..lb. .06 - —
l.c.l., dms. (500 lbs.), same basis..lb. .06½- —
smaller lots, f.o.b. Hattiesburg, Miss., or Hercules, Del..lb. .20 - —
Styrene resin, XRS-1, 30,000 lbs., works..lb. .50 - —
15,000 lbs., works.....lb. .50½- —
5,000 lbs., works.....lb. .51 - —
XRS-2, 30,000 lbs., works....lb. .55 - —
15,000 lbs., works.....lb. .55½- —
5,000 lbs., works.....lb. .56 - —
Super-Beckacite, pure phenolic, 1001, dms., 1-9, frt. pd..lb. .31 - —
1003, dms., 1-9, frt. pd....lb. .30 - —
2060, dms., 1-9, frt. pd....lb. .26 - —
2067, dms., 1-9, frt. pd....lb. .21 - —
3000, dms., 1-9, frt. pd....lb. .43½- —
3005, dms., 1-9, frt. pd....lb. .41½- —

Super-beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less, with exception of 3000 and 3005, where 10 dms. are 1½c. less and carloads 3c.; prices subject to same geographical differentials as beckacite.

Super-beckamine, 3500, dms., 1-9, frt. pd..lb. .29½- —
Surfex, bgs., c.l., f.o.b. Painesville, Ohio..ton.27.50 - —
BB, bgs., c.l., same basis..ton.32.00 - —
MM, bgs., c.l., same basis..ton.30.00 - —
Syntex, alkyd resin, No. 9, c.l. 100 lbs.14.00 - —
l.c.l., 10 or more dms.100 lbs.14.50 - —
1-9 dms.....100 lbs.15.00 - —
17, c.l.....100 lbs.12.25 - —
l.c.l., 10 or more dms.100 lbs.12.75 - —
1-9 dms.....100 lbs.13.25 - —
18, c.l.....100 lbs.13.25 - —
l.c.l., 10 or more dms.100 lbs.13.75 - —
1-9 dms.....100 lbs.14.25 - —
19-A, c.l.....100 lbs.13.75 - —
l.c.l., 10 or more dms.100 lbs.14.25 - —
1-9 dms.....100 lbs.14.75 - —
20-A, c.l.....100 lbs.14.25 - —
l.c.l., 10 or more dms.100 lbs.14.75 - —
1-9 dms.....100 lbs.15.25 - —
21-B, c.l.....100 lbs.12.25 - —
l.c.l., 10 or more dms.100 lbs.12.75 - —
1-9 dms.....100 lbs.13.25 - —
22, c.l.....100 lbs.14.00 - —
l.c.l., 10 or more dms.100 lbs.14.50 - —
1-9 dms.....100 lbs.15.00 - —
Syntex, 23, c.l.....100 lbs.12.00 - —
l.c.l., 10 or more dms.100 lbs.12.50 - —
1-9 dms.....100 lbs.13.00 - —
28, c.l.....100 lbs.16.00 - —
l.c.l., 10 or more dms.100 lbs.16.50 - —
1-9 dms.....100 lbs.17.00 - —
32, c.l.....100 lbs.11.50 - —
l.c.l., 10 or more dms.100 lbs.12.00 - —
1-9 dms.....100 lbs.12.50 - —
36, c.l.....100 lbs.16.00 - —
l.c.l., 10 or more dms.100 lbs.16.50 - —
1-9 dms.....100 lbs.17.00 - —
40, c.l.....100 lbs.14.00 - —
l.c.l., 10 or more dms.100 lbs.14.50 - —
1-9 dms.....100 lbs.15.00 - —
119, c.l.....100 lbs.18.25 - —
l.c.l., 10 or more dms.100 lbs.18.75 - —
1-9 dms.....100 lbs.19.25 - —
H-3, 10,000 lbs. and up.100 lbs.13.00 - —
2,500-9,999 lbs.....100 lbs.13.50 - —
under 2,500 lbs.....100 lbs.14.00 - —
H-3, pale, 10,000 lbs. and over..100 lbs.13.00 - —
2,500-9,999 lbs.....100 lbs.13.50 - —
under 2,500 lbs.....100 lbs.14.00 - —
H-10, c.l.....100 lbs.14.25 - —
l.c.l., 10 or more dms.100 lbs.14.75 - —
1-9 dms.....100 lbs.15.25 - —
H-12, c.l.....100 lbs.15.00 - —
l.c.l., 10 or more dms.100 lbs.15.50 - —
1-9 dms.....100 lbs.16.00 - —
H-15, c.l.....100 lbs.10.50 - —
l.c.l., 10 or more dms.100 lbs.11.00 - —
1-9 dms.....100 lbs.11.50 - —
H-46, c.l.....100 lbs.11.50 - —
l.c.l., 10 or more dms.100 lbs.12.00 - —
1-9 dms.....100 lbs.12.50 - —

These prices are f.o.b. Louisville, Ky., freight prepaid and allowed to destinations in New England, the Middle Atlantic States, Va., N. C., S. C., W. Va., Ohio, Ky., Tenn., Ind., Ill., Mich., Wis., Iowa and Mo. and the cities of Minneapolis and St. Paul, Minn.; Atlanta, Ga., Omaha and Lincoln, Neb., and Montreal and Toronto, Canada. For shipment to other points East of the Rockies and not listed above, add 1c. per pound.

V

Vinylite resins, AYAA, AYAF, AYAT, c.l. (30,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va., freight paid to destination E. of Mississippi river....lb. .40 - —
2,000 to 9,999 lbs., cns., same basis..lb. .43 - —
200 to 1,999 lbs., cns., same basis..lb. .45 - —
1 to 199 lbs., cns., same basis..lb. .60 - —
AYAB, cns., 200 to 1,999 lbs., same basis..lb. .52 - —
1 to 199 lbs., same basis.lb. .67 - —
AYAW, cns., 200 to 1,999 lbs., same basis..lb. .52 - —
1 to 199 lbs., same basis.lb. .67 - —
QYNA, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va..lb. .48 - —
10,000 to 29,999 lbs., cns., same basis..lb. .50 - —
2,000 to 9,999 lbs., cns., same basis..lb. .52½- —
200 to 1,999 lbs., cns., same basis..lb. .55 - —
1 to 199 lbs., cns., same basis..lb. .65 - —
VYHF, VYLF, VYNW, VYRR, c.l. (30,000 lbs.), paper bags, same basis...lb. .48 - —
10,000 to 29,999 lbs., cns., same basis..lb. .50 - —
2,000 to 9,999 lbs., cns., same basis..lb. .52½- —
200 to 1,999 lbs., cns., same basis..lb. .55 - —
1 to 199 lbs., cns., same basis..lb. .65 - —
VYHH, c.l. (30,000 lbs.), paper bags, same basis, lb. .52 - —
10,000 to 29,999 lbs., cns., same basis..lb. .54 - —
2,000 to 9,999 lbs., cns., same basis..lb. .55½- —
200 to 1,999 lbs., cns., same basis..lb. .57 - —
1 to 199 lbs., cns., same basis..lb. .67 - —
VYNS, c.l. (30,000 lbs.), paper bags, same basis, lb. .68 - —
Vinylite resin, VYNS, 10,000 to 29,999 lbs., cns., same basis..lb. .70 - —
same basis..lb. .70 - —
2,000 to 9,999 lbs., cns., same basis..lb. .72½- —
200 to 1,999 lbs., cns., same basis..lb. .75 - —
1 to 199 lbs., cns., same basis..lb. .85 - —
XYSG, paper bags, 200 to 1,999 lbs., cns., same basis..lb. 1.25 - —
1 to 199 lbs., cns., same basis..lb. 1.40 - —
dm. lots, same basis..gal. 2.10 - —
smaller lots, same basis.gal. 2.50 - —
solutions, adhesive, AYAF,

Paranol Resin—Vinylite

Vinylite, XL5041, 20 dms., same basis..gal. 2.00 - —
dm. lots, same basis....gal. 2.25 - —
smaller lots, same basis.gal. 2.50 - —
XL5075, 20 dms., same basis, gal. 2.15 - —
dm. lots, same basis....gal. 2.40 - —
smaller lots, same basis.gal. 2.65 - —

Adhesive solutions in 1 to 5 gal. quantities are shipped in non-returnable containers. Extra charge of 40c. for 1-gal. cans. 5-gal. containers included in price. Drum lots are shipped in 55-gal. non-returnable drums.

CLEAN UP RESIDUAL TACK WITH DUREZ 209 AND 220

It's no great trick to get fast dry with domestic oils, but residual tack may still be a problem—unless you use DUREZ 209 and 220. These terpene-phenolics completely eliminate residual tack about as soon as the film is dry.

Persistent cases of residual tack may call for the use of these Durez resins as the sole resin component. But in many instances the addition of a small amount of either of them will accomplish your purpose.

Try them. Check them in your own formulations, or tell us about the type of material you want to improve—and we'll give you our laboratory findings. Just write—

DUREZ PLASTICS & CHEMICALS, INC.
302 Walck Rd., N. Tonawanda, N. Y.

DUREZ PLASTICS & CHEMICALS, INC.
RESINS THAT FIT THE JOB

U.S. Revenue Returns Show Gain in December

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for December, 1940, compared with December, 1939, as follows:—

Taxes Collected

	December 1940.	December 1939.
Coconut, etc., oils processed.	$463,775.21	$1,833,624.80
Distilled spirits, domestic, excise tax $3 per gallon	33,052,939.73	25,179,845.71
Distilled spirits, imported, excise tax, $3 per gallon.....	4,042,280.45	2,984,688.02
Gasoline	25,566,483.66	17,000,709.11
Lubricating oils.	2,663,017.78	2,306,045.95
Matches	2.38	6.86
Narcotics, including special taxes	26,861.81	33,090.44
Oleomargarin excise taxes.....	74,231.93	60,686.07
Oleomargarin special taxes..	33,828.16	17,514.64
Toilet preparations	726,021.62	705,458.99
Transportation of oil by pipeline.	853,926.94	769,063.80
Total internal revenue	$654,095,220.92	$498,993,133.73

Quantities Taxed

	December 1940.	December 1939.
Distilled spirits, domestic tax gallons.....	11,261,929	11,432,118
Distilled spirits, imported tax gallons....	1,394,270	1,454,935
Distilled spirits, rectified, proof gallons....	4,253,087	3,689,563
Oleomargarin, colored, pounds	38,398	29,858
Oleomargarin, uncolored	28,095,152	22,959,816

Oil refinery machinery production in 1939 was valued by reporting factories at $16,359,522.

1031 *Aroplaz*

ENAMELS
LACQUERS
PRIMERS
SURFACERS

THE COMPLETE RESIN LINE

"S & W" ESTER GUM—all types
"AROFENE"*—pure phenolics
"AROCHEM"*—modified types
"CONGO GUM"—raw, fused and esterified
"AROPLAZ"*—alkyds
NATURAL RESINS—all standard grades

* Registered U. S. Patent Office

• AROPLAZ 1031 is an oxidizing, phenol-modified alkyd of medium oil length, which combines the fast, hard through-dry and water resistance of a phenolic with the durability of a pure alkyd.

AROPLAZ 1031 is also readily compatible with nitrocellulose; and its solutions in coal-tar hydrocarbons are low in viscosity. High-solid lacquers made with it are very tough and durable, possess good alcohol and cold-check resistance and do not take very much longer to dry than the cotton itself.

AROPLAZ 1031, therefore, with or without nitrocellulose, while not recommended for whites, is a very versatile alkyd for such diversified uses as automotive primers and surfacers, hardware finishes, toy and truck enamels and special wood lacquers.

Stroock & Wittenberg Corp.
60 East 42nd Street New York

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison.

Published every Monday by Oil, Paint and Drug Publishing Company, Inc. Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 59 John Street, New York, New York. U.S.A. Telephone REctor 2-9620. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Member—Audit Bureau of Circulations.

Entered at the Post Office at New York as second-class matter January 15, 1884, under the act of March 3, 1879.

Copyright, 1941, by Oil, Paint and Drug Publishing Company, Inc.

Vol. 139 February 3, 1941 Number 5

Volunteer Price Control

In respect of prices, the attitude of the national defense advisers appears to be to give business a chance to do its own restraining of inclinations to boost. They have sounded warnings, and in some instances they have spoken strongly. But, they have said that it is not their purpose yet to apply statutory control.

Business should appreciate this attitude, and it will do well to be regardful of the confidence thereby connoted and not to jeopardize even that for the sake of a bigger profit. It must be plain to anybody that unjustifiable price-boosting, even under the temptation of big buying by government or bogey buying by private enterprise, is fraught at this time with danger for the very fundamentals of the American system. Business organizations recognize this: the executive officer of the National Association of Purchasing Agents speaks typically when he tells the members:—

> If any such price shows an unusual advance without apparent justification it is your job to report it . . . to the official having ressponsibility for regulating the speed of price movements which are dangerous. . . . If the advance is reasonable and justifiable no one gets hurt. If it is not someone should—in the interest of business and government and what we all believe in and stand for.

The N.A.P.A. official fears that an epidemic of profiteering would be "fatal to the entire defense program." It is more logical to believe that such a calamity would be averted by prompt and vigorous governmental action which would eventually be fatal to the entire system of private enterprise. It is not only that government, once it had decided it was necessary for the national defense to commandeer or conscript business, might be reluctant to entrust the national welfare to business upon the cessation of the defense emergency. The greater fear arises from the threat that the general public, having seen what government could do in its buying to escape the designs of profiteers, would be likely to engage the services of governmental agencies to avoid paying more than it somehow determined was a fair price for everything it bought.

The Experts Concur

Businessmen are gratified and encouraged at learning that their opinion that the administrative agencies of the Federal government were in need of procedural reform is concurred in by the experts who have been studying this subject for almost two years. The Attorney-General's Committee on Administrative Procedure has reported. It starts its report with the conviction that there should be "general improvement in administrative procedure at the stage of formal hearing and decision."

The committee, pointing out that the great variety of duties delegated to administrative agencies makes generalization in description difficult and practically precludes generalization in prescription, makes particular recommendations in many instances where such supplementing of its general proposals is necessitated by the functioning of the individual agency. The committee wisely accepts, and informatively explains, the necessity for administrative agencies and the impracticability of escaping from extensive internal delegating of duties. Its recommendations do not look to any greater variety of such agencies, but they do purpose a further and better division of functions.

The primary recommendation by the committee is for a continuing agency designed to keep in close, constant touch with administrative procedure and with public reaction thereto for the purpose of advising Congress in respect of emendment of the applicable statutes. It is an expressed belief of the committee that conditions would be substantially bettered if Congress gave more attention to the clarity and completeness of statutory language having to do with delegating of powers to, and defining of duties of, administrative agencies.

One of the most important and most welcome of the committee's recommendations is that a corps of "hearing commissioners" be set up in each administrative agency so as to separate the prosecutive and judicial functionings of such bodies. The committee reiterates the oft-repeated opinion of business that no one man or group should be vested with the powers of prosecutor, grand jury, judge, and trial jury. The committee believes that such separation of duties would preclude the necessity of more extensive court review.

—O-P-D—

No Place for Selfishness

In whatever it is called up to do for the national defense, business must act as a well-coordinated unification of its ownership, management, and labor elements. It functions best under any conditions when such coordination prevails. The emergencies of defense do but vary the degree of the necessity and desirability.

All three elements, and especially management and labor, should be above suspicion of any selfish design in their respective attitudes toward cooperation for defense. That this is not the case is evidenced by the talk about the seeking of advantages by one or the other in connection with the completion of the operating organization of the Office of Production Management. This talk has far less foundation in fact than in wishful thinking. It cannot be supported by any act or utterance of the OPM directors representing management and labor, although external pressure might easily disturb their apparent endeavor to be guided by their common purpose, rather than by their differing philosophies.

The coordination and cooperation of management and labor are no less necessary in the operations of business at large than they are in the determining of the processes of business-government relations in the work of defense. Strikes and lockouts should be avoided by every possible acceptance of mediation, but it will be unwise to attempt to prohibit them by law. In times like these, if not in those which are normal, men should be guided by actually human traits.

—O-P-D—

Taxpaying and Taxmaking

In whatsoever form the "lend-lease" bill may finally evolve from congressional deliberations, it will necessitate the spending of governmental monies. Whether governmental gold shall be withdrawn from safe deposit at Fort Knox; whether the national debt limit shall be raised; whether baby bonds and their big brothers shall be issued—the defraying of the cost of the aiding, as well as of the preparing, plans in the defense program must promptly and somewhat permanently be provided for by taxation. It is highly desirable that the raising of the necessary revenue be conditioned to the maintenance of the best possible national welfare throughout the long period during which it will go on.

Taxpaying is made possible wholly by business. Taxmaking therefore should be supervised by business, equitably and adequately represented by its three elemental divisions—ownership, management, and labor. These now, in some carefully constructed process of coordination, should address themselves to that task—and they should approach it with a full and firm purpose to lay out a scheme of taxation that is equitable, as well as adequate, for that is a long-existing need which must be aggravated by the unprecedented burden that will be laid upon taxpayers by the tremendous cost of blocking the foes of democracy.

And business, properly represented as outlined above, must go to Congress with a determination to be the boss of the job of revenue-raising that must complement the job of "lend-lease" spending. It is repeated from last week that business cannot expect the lawyers in Congress to initiate the necessary reform for simple, equitable taxation. In the first place, that class of lawmakers—and it is a big one—does not know how to accomplish such reform; secondly it has little desire for such an achievement. Finally, and most important, lawyers, in common with all other professional men, derive their livelihood from the earnings of others in business. As they may be increasingly taxed, so will their fees increase; for business must provide, voluntarily or under duress, all the wherewithal of taxpaying.

It should be clear that business alone is entitled to say how governmental revenue should be raised. Business has been complacent enough in permitting others, whom also it must support, to say how this revenue shall be spent. It should be clear that a businesslike tax system, equitably applying to every basic cent of the national income, fully recognizable in every such application, free from favoritism and from pyramiding, is needed—and that it has not yet been formulated by any group.

PFIZER
MAGNESIUM ACID CITRATE
DEHYDRATED

Pfizer MAGNESIUM ACID CITRATE DEHYDRATED is a stable, soluble, free-flowing salt with laxative properties.

Dry mixtures of sugar and Pfizer MAGNESIUM ACID CITRATE DEHYDRATED do not cake. Similarly, effervescent salt mixtures with both sugar and sodium bicarbonate may be kept indefinitely in fully reactive condition. The mixtures dissolve readily in water giving a clear, mildly acid solution.

The pure salt is a convenient concentrate for general pharmaceutical purposes.

Manufacturing Chemists

PFIZER QUALITY
Est. 1849

CHAS. PFIZER & CO., INC.

81 MAIDEN LANE, NEW YORK, N. Y. · 444 W. GRAND AVE., CHICAGO, ILL.

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

PM Since 1905
PHOSPHORUS (Yellow) Produced in our own electric furnace using phosphate rock from our own mines.
PHOSPHORIC ACID 75% Pure Food Grade. Made from high quality elemental phosphorus.
"ELECTROPHOS". A superior quality of triple superphosphate of approximately 48% available P_2O_5. Almost white in appearance.
FLORIDA PEBBLE PHOSPHATE ROCK. Grades 77% B.P.L. and all standards to 68%. Also of special specifications—quality—calcining—grinding.
THE PHOSPHATE MINING COMPANY
110 William Street, New York Nichols, Florida

SODIUM SULPHIDE
BARIUM CARBONATE BARIUM CHLORIDE
BLANC FIXE BARIUM PEROXIDE
BARIUM OXIDE BARIUM HYDRATE
Manufactured by
BARIUM REDUCTION CORPORATION
OFFICE AND WORKS: SOUTH CHARLESTON, W.VA.

MURIATIC ACID
CARBOYS—TANK TRUCKS
SULPHURIC ACID
CARBOYS—DRUMS—TANK TRUCKS
AQUA AMMONIA
CARBOYS — DRUMS TANK TRUCKS
ACETIC ACID
TANK CARS—TANK TRUCKS —BARRELS
LIQUID CAUSTIC SODA
DRUMS TANK TRUCKS
SODIUM ACETATE
A. H. MATHIEU & COMPANY
7-11 Getty Avenue Paterson, N. J.
Telephone SHerwood 2-3080-1-2

COPPER SULPHATE
IRVINGTON SMELTING & REFINING
IRVINGTON WORKS NEW JERSEY
NEW YORK OFFICE 30 CHURCH ST.

Heavy Chemicals

Munitions Will Require Additional Ammonia, Caustic Soda, Chlorine and Sulphuric Acid—No Great Need Exists Now For Exercising Priorities System — Demand Steady

Shipments continued to move steadily against contracts in the market for heavy chemicals last week. Volume in January made a favorable showing with December and the like month a year ago as far as could be discerned. While much talk was heard concerning priorities for non-ferrous metals and steel, it is hoped and expected that no great need will exist for exercising the priorities system in the supply of basic chemicals. Buying has not been speculative, and producers have been able to adjust operating schedules to correspond with contract commitments.

Production of munitions will be stepped up considerably upon completion of the new government plants. Ammonia output is far behind actual requirements for munition works; however, the government is expanding output of this basic material. Within the next few months a much better situation will exist. Demand for chlorine and caustic soda will be enhanced chiefly as a bleach in the making of high explosives. The government is striving to develop and employ different processes in making munitions, so as to evenly balance the quantities of basic materials used. Caustic soda will be used as a bleach in some instances, while chlorine will be employed in others. Sulphuric acid will be needed in large quantities; oleum will especially be employed.

A committee appointed by the British Minister of Health and the Minister of Home Security to inquire into the health conditions of air raid shelters used for sleeping purposes has recommended the use of sodium hypochlorite in aqueous solution for spraying the atmosphere of shelters.

Price Changes

Advanced

Strontium chloride, tech., 2c. per lb.
Tin, Straits, ¼c. per lb.
tetrachloride, anhy., ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
158.2	158.2	158.8	152.5

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Alums.—Shipments steady to regular channels. Prices firm.

Alumina Hydrate.—Fair interest. Prices steady to firm.

Ammonia, Anhydrous.—Market routine. Quotations rule firm.

Ammonia, Aqua. — Demand good, while prices remain unchanged and firm.

Ammonia Bicarbonate.—Consumers made necessary replacements as rule. Pricewise a firm tone prevailed.

Ammonia Bifluoride. — Inquiries moderate, and prices without change.

Ammonia Nitrate.—Steady demand. Firm price tone.

Ammonia Persulphate. — Trading conservative. Prices well sustained.

Ammonia Silicofluoride. — Market position firm, with buying irregular.

Ammonia Sulphide.—Steady to firm price tone. Shipments moderate against contracts.

Ammoniac, Sal.—Shipments moderately active. Market retained its firmness.

Antimony.—Domestic spot metal unchanged. Small lots usually made up the call.

Antimony Needle.—Business light. Offerings of Chinese limited.

Antimony Oxide.—Transactions routine. Prices unchanged.

Arsenic.—Dealings in white moderate, and prices rule firm.

Barium Carbonate.—Quotations lack change, and consumers made fair size replacements.

Barium Hydrate.—Dealings spotty, and nothing new occurred in the prices.

Barium Nitrate.—Steady inquiry. Prices unchanged and firm.

Bleaching Powder. — Commitments routine against contracts. Prices firm.

Calcium Chloride.—Movement good. Prices displayed firmness.

Carbon Bisulphide. — Shipments steady, and quotations remain firm.

Carbon Tetrachloride. — Business continued at satisfactory levels, and market position firm.

Chlorine.—Withdrawals steady, and market position strong.

Cobalt Oxide. — Selling remained limited to regular channels. Not much business passed in the outside market.

Copper. — Producers selling restricted at 12c. per pound. Custom smelters quoted 12½c. Moderate export business at 10½c. to 12c. per pound.

Copper Salts.—Movement moderately active. Prices rule firm.

Copper Sulphate.—Market displayed firmness. Demand held at favorable levels.

Copperas. — Market firm. Selling usually limited.

Fluorspar.—Prices remained firm and unchanged. Shipments steady.

Glauber's Salt.—Business moderately active, and prices without change.

Lead Acetate. — Dealings routine. Pricewise a firm tone predominated.

Lime.—A steady call was evident in most directions, while prices underwent no change.

Magnesite. — Market presented a tight situation, with domestic selling restricted.

Manganese Dioxide.—Commitments against contracts steady, and prices held firm.

Molybdenum Metal Powder.—Demand steady. Quotations unchange and firm.

Phosphorus.—While bids for red in outside market ran as high as 90c. per pound, not much domestic material was offered. Demand for yellow moderate.

Potash Carbonate.—Prices firm, and transactions continued steady.

Potash, Caustic. — Withdrawals against contracts well maintained to keep market position firm.

Potash Chlorate.—Offerings in out-

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Pulp and Paper Ass'n, Feb. 17-21, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.

side market small with 50c. to 52c. per pound mentioned. Domestic business steady to usual channels.

Potash Cyanide.—Interest routine, and prices remain the same.

Potash Permanganate.—Steady call from regular channels. Domestic sellers not accepting export business, while some Japanese material in bond has been reexported at premium levels.

Salt.—Steady to firm price tone, with demand holding steady.

Saltcake.—Domestic supplies adequate to cope with the demand. Prices without change.

Saltpeter.—The call was irregular. Prices remain firm.

Soda Acetate.—Shipments moderate. Nothing new occurred in the quotations.

Soda Ash.—A normal buying interest prevailed against contracts. Prices failed to change.

Soda Bicarbonate.—Business held at moderate levels, and prices were the same.

Soda Bisulphite.—Market continued firm, and business was fairly steady.

Soda, Caustic. — While shipments held at satisfactory levels, production was high, and market position sluggish.

Soda Chlorate.—Domestic sellers adhere to restrictive selling policy. Few sales passed in outside market from 16c. to 17½c. per pound.

Soda Cyanide.—Buying active and market position firm.

Soda Hydrosulphite. — Steady inquiries reached market, with prices well maintained.

Soda Nitrite. — Consumers made moderate replacements to keep market in satisfactory position.

Soda Pyrophosphate. — Shipments moderately active, and prices held unchanged.

Soda Silicate.—Business moved at a favorable pace, and prices retained their firmness.

Soda Silicofluoride.—Selling limited; business in spot market ranged from 9¾c. to 11½c. per pound.

Soda Sulphite. — Demand steady. Prices maintained their firmness.

Strontium Chloride. — Price 2c. higher at 22c. per pound and ranging to 26c., according to quantity. Supplies limited.

Sulphur, Refined.—Some irregularity in demand continued evident, while prices rule firm.

Tin Salts.—Anhydrous tetrachloride advanced ¼c. at 25½c. per pound. Other tin derivatives held the same, but tone was firmer. Straits metal closed around 50¼c. per pound.

Zinc Sulphate.—Selling restricted to regular contract customers. Prices unchanged and firm.

Acids

Withdrawals continued steady against contracts in the market for mineral acids last week. Acetic was taken steadily. Chromic moved well, especially to the plating trade. Formic bookings were made well ahead. Muriatic and nitric inquiries and shipments were steady. Oxalic was in a tight position, with domestic sellers adhering to a restricted selling policy. Sulphuric was taken steadily against contracts. Prices remain the same, and tone was firm.

Acetic.—Demand held steady, while prices failed to change.

Battery.—Call routine. Steady to firm price tone.

Chromic.—Shipments moderately active, and prices firm.

Formic. — Market continued firm, while booking held up well.

Gallic. — Dealings narrow. No change occurred in the prices.

Hydrofluoric. — Purchases moderate, and prices failed to change.

Lactic.—Consumers made fair size replacements, and prices held unchanged.

Muriatic.—Steady demand. Prices displayed firmness.

Napthenic.—Market a routine affair, with quotations nominal.

Nitric.—Buying steady. Pricewise a firm tone prevailed.

Oxalic.—Business limited to regular channels. Small business in outside market at 14½c. to 15c. per pound.

Phosphoric.—Withdrawals moderate. Prices were firm.

Sulphuric.—Shipments moved steadily against contracts. Prices lacked change, and tone was firm.

Baltimore, Jan. 29.—Market for sul-

—*Continued on page 34*

Harshaw Chemical Names Wensley Board Chairman

R. S. Wensley has been elected chairman of the directorate of the Harshaw Chemical Company, Cleveland. He fills the vacancy created by the death of William A. Harshaw. Mr. Wensley, long identified with the Harshaw organization, has been a member vice-president and a member of the directorate. E. B. Greene, president of the Cleveland Cliffs Iron Company and also a Harshaw director, has been made a member of the executive committee of the company. W. J. Harshaw is president and general manager of the company.

Corrosion Resistant Cements Described in New Bulletin

The properties and manner of using "Asplit" and "Causplit" corrosion and erosionproof cements are described in a new booklet issued by the Pennsylvania Salt Manufacturing Company. "Asplit" is described as a self-hardening resin cement which has found extensive application industrially in locations where a resistance to the commonly employed acids is necessary. "Causplit" cement in addition to being resistant to attack similar to "Asplit," is said to also resist fluorine compounds, caustic and alkalies up to fifty percent in concentration, and alcohol and acetone. A copy of the new booklet may be secured by addressing the Pennsylvania Salt Manufacturing Company, 1000 Widener Building, Philadelphia, Pa., mentioning the REPORTER.

Bauxite Output Up

Production of bauxite in the United States in 1940 totaled 438,000 long tons and was valued at $2,573,000 an increase of 17 percent in quantity and 19 percent in value compared with 1939, according to the Bureau of Mines. All of the increase in bauxite output in 1940 was accounted for by mines in Arkansas, shipments from Alabama and Georgia again having declined. For the first time, the State of Virginia accounted for a small production of bauxite.

Tennant Buys Ohio Plant

C. Tennant & Sons Company, manufacturer of locking metal straps for metal containers, this city, has purchased a plant at Warren, Ohio, for its Griplock division and will transfer its Farrell, Pa., plant equipment to the new location.

Trade Briefs

Methanol and acetic acid will be produced as by-products in the new charcoal plant to be built at the Lovholmen saw mill at Northern Sweden.

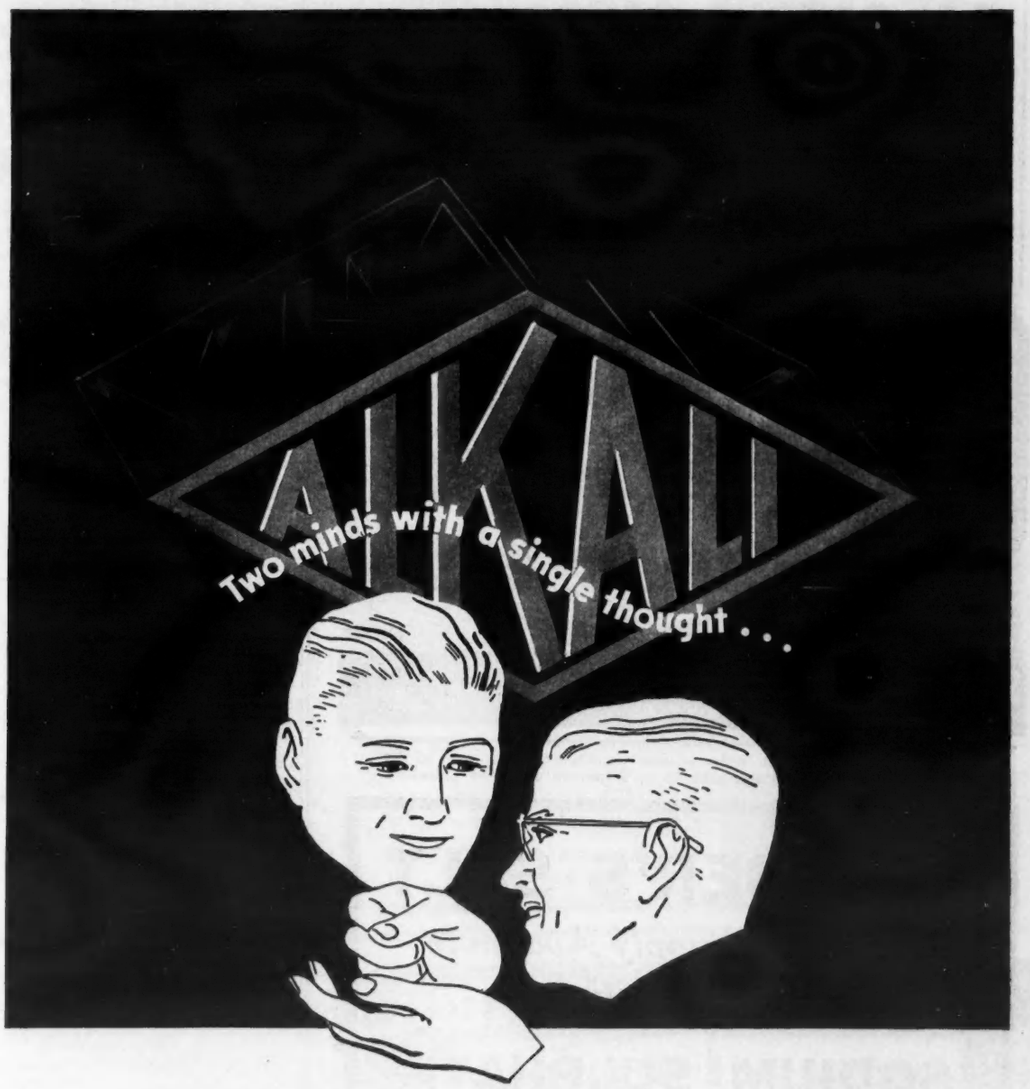
Altis Chemical Company, of which A. Brauer is head, has moved to 11 Broadway, New York, from 1060 Broad street, Newark, N. J.

Van Sant Laboratory, Fresno, Calif., is the firm name under which J. E. Van Sant and Eleanor H. Haney have obtained a certificate to conduct business.

Ayrton Chemical Company, importer and exporter, this city, has appointed R. Loeb manager. He succeeds Peter C. Hereld, who has resigned.

National Tungsten Company, Long Beach, Calif., has been organized with a capital of $25,000. Directors are A. B. Clark, P. N. Johnson and L. N. Whealton, all of Long Beach.

Ernest Muehleck, president of the Keasbey & Mattison Company, Ambler, Pa., has been appointed as one of the two vice-chairmen of the committee on employment relations of the National Association of Manufacturers.



when **soda ash** is being discussed!

PLANT PRODUCTION AND PURCHASING EXECUTIVES ARE IN PERFECT AGREEMENT ON THIS SOUND SPECIFICATION FOR OVER 25 YEARS—

DIAMOND ALKALI COMPANY, PITTSBURGH, PA. *and Everywhere*

GLACIAL ACETIC ACID

GRADES:
STANDARD — U.S.P. XI. — C.P.
CONTAINERS:
Cases, Carboys—100 lbs. net
Aluminum Drums—900 lbs. net
Stainless Steel Drums—450 lbs. net
(for U. S. P. XI and C. P. acid only)
Tank Cars—69,000 lbs.
Export shipments in non-returnable, new oak barrels or 5-gallon carboys.

NIACET CHEMICALS CORPORATION 4703 PINE AVE., NIAGARA FALLS, NEW YORK

TC TENNESSEE CORPORATION

For all purposes such as plating and fungicidal uses, always specify —

T. C.'s COPPER CARBONATE
(OVER 55% COPPER)

For platers (note higher copper content in this material). Easy to use. More economical.

Write TODAY for Free Sample — Literature

TENNESSEE CORPORATION
ATLANTA, GA. LOCKLAND, OHIO

SULPHUR

BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE : SULPHUR CHLORIDE : SILICON TETRACHLORIDE CREAM OF TARTAR : SULPHURIC ACID : CAUSTIC SODA WHITING : TARTARIC ACID : LIQUID CHLORINE : SULPHUR TEXTILE STRIPPER : CARBON BISULPHIDE

Stauffer CHEMICALS

STAUFFER CHEMICAL COMPANY 420 LEXINGTON AVE., NEW YORK
424 Ohio Bldg., Akron, Ohio
Carbide and Carbon Bldg., Chicago, Ill.
624 California St., San Francisco, Cal.

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

GLAUBER'S SALT
A Limited Supply Available for Early Delivery
SODIUM SULPHATE
SALT CAKE • SALT
Write for Analyses and Prices
DESERT CHEMICAL CO.
4031 GOODWIN AVENUE - LOS ANGELES, CALIF.

Heavy Chemicals

Acids

—*Continued from page 33*

phuric acid is reported to be unchanged. Contracts, it is said, are being extended on the old basis, with the nominal figures still around $12 per ton for 60 degree and at $15 per ton for 66 degree acid, and an appearance of quiet prevails in the trade. A large producer of sulphur, according to reports, has announced his determination to hold down the cost of this product, so that there will be no reason for acid manufacturers to mark up their quotations, and a similar policy is being pursued by other factors in the trade, it is said, this being given as the reason why the market has remained at the same level for some time. Oleum also has not changed, with the nominal price put at $17 per ton for 20 percent supplies.

Insecticides

Business continued along conservative lines in the market for agricultural insecticides and fungicides last week. Many sellers were making preparations and looking ahead to the coming season. Inquiries for export continued to undergo a seasonal tapering in South and Central American countries. Prices failed to change, and a steady to firm tone prevailed.

Calcium Arsenate.—Current business quiet, with preparations going ahead for coming season. Prices unchanged.

Lead Arsenate.—Prices lacked any change. New business light.

Paradichlorobenzene.—Buying limited, and prices held unchanged.

BARIUM HYDRATE and POROUS BARIUM OXIDE (Monoxide)
BARIUM AND CHEMICALS, Inc., Dept. A, Willoughby, Ohio
Successors to The J. H. R. Products Co. *Send for informative booklet*

WANTED RESIDUES : SLIMES : METAL ALLOYS METALLIC BY-PRODUCTS
Containing
Vanadium — Nickel — Tin — Bismuth — Cadmium — Tungsten — Molybdenum
METALLURGICAL PRODUCTS CO.
35th and Moore Sts. Established 1909 Philadelphia, Pa.

TETRA SODIUM
PYROPHOSPHATE
Made by an improved manufacturing technique in Victor's new plant . . . the largest of its kind in existence. Designed to meet the large scale demand for a product of uniformly high quality.
Victor Catalog of Chemicals Sent on Request
VICTOR CHEMICAL WORKS
141 WEST JACKSON BOULEVARD CHICAGO, ILLINOIS

Oldbury
Electro-Chemical
Company

PHOSPHORIC (U.S.P.) ACID
•
PHOSPHORUS OXYCHLORIDE
•
PHOSPHORUS PENTACHLORIDE
•
PHOSPHORUS PENTASULFIDE
•
PHOSPHORUS TRICHLORIDE

Plant and Main Office:
Niagara Falls, New York

New York Office:
22 East 40th Street, New York City

Dyestuffs, Textile and Leather Chemicals

Demand Continues Irregular—Domestic Egg Yolk Easier—J2 Myrobalans Lower — Sizing Materials Demand Better —Tanning Materials Not Affected by Cargo Space Yet

Buying continued to display irregularity in the market for dyestuffs, textile and leather chemicals last week. A better demand was reported for sizing materials; chemicals moved moderately. Natural dyestuffs were dull. New business in tanning materials was not heavy, however; withdrawals against standing contracts were satisfactory. Shipments were coming through from primary markets, although lack of cargo space was a threatening factor for future supplies. Changes were confined to a reduction in J2 myrobalans and domestic egg yolk.

A good export demand made up for whatever irregularity prevailed in the domestic market for bichromates. The Minerals Research Laboratory of the Union of South Africa was reported to be conducting experiments concerned with the production of chromates, bichromates and chromic acid from domestic chrome ore.

Imports of logwood into the United States in the 11 months ended November, 1940, totaled 9,645 tons, valued at $107,162, compared with 5,178 tons, valued at $57,871 in the corresponding period of 1939. The incoming shipments originated chiefly in Jamaica and Haiti. Exports of logwood extract amounted to 558,767 pounds in the same period, as against 501,408 pounds in the corresponding period of 1939.

Price Changes

Advanced

None

Reduced

Egg yolk, dom., 1c. per lb.
Myrobalans, J2, $2 per ton.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.8	154.0	154.0	147.3

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate. — Transactions moderate, and prices hold the same.

Alumina Chloride. — Market tone firm, and inquiries steady.

Ammonia Acetate.—Market routine. Prices rule firm.

Ammonia Bichromate.—Steady to firm price tone. Dealings narrow.

Antimony Salt. — Business dull. Prices without change.

Chrome Acetate.—Buying held close to requirements. Prices unchanged.

Potash Bichromate. — Shipments moderately active. Moderate export inquiry. Prices rule unchanged and firm.

Potash Prussiate.—Fair movement of yellow; stocks of red negligible. Prices firm.

Soda Bichromate.—Business steady against contracts. Good export inquiry. Prices without alteration.

Soda Prussiate.—Purchases continued moderate, and prices failed to change.

Sulphonated Oils.—Steady to firm price tone prevailed. Demand displayed irregularity.

Zinc Dust.—Market position firm. Business usually confined to regular channels.

Dyestuffs

Annatto.—Small lots usually made up the call. Prices without change.

Cochineal. — Prices remain firm, while dealings were not extensive.

Fustic.—Interest was only moderate. Prices held unchanged and firm.

Hypernic.—Consumers made only necessary replacements. Prices failed to change.

Indigo.—New business light. No change disclosed in the prices.

Logwood. — Transactions routine, Priceswise a firm tone prevailed.

Madder Dutch.—Business dull. Nothing new occurred in the quotations.

Turmeric.—Prices held the same, and a steady to firm tone was evident. Demand spotty.

Sizing Materials

Albumen, Blood.—Business moderate and steady. Prices rule firm.

Albumen, Egg. — Domestic prices firm and unchanged. Stocks of imported small and prices nominal. Inquiries steady.

Corn, Sugar.—Bookings moderate. Prices nominal.

Dextrin, Corn.—Replacement buying continued steady, while prices were nominal.

Egg Yolk.—Domestic prices 1c. lower ranging from 59c. to 60c. per pound. No change in the imported. Demand moderate.

Sago Flour. — Withdrawals fairly steady. Prices rule the same.

Starch, Corn.—Prices remain nominal. Shipments moved moderately.

Starch, Potato. — Buying steady. Prices lacked change.

Starch, Rice.—Quotations ranged from 7½c. to 8½c., according to quantity, and tone firm. Buying irregular.

Starch, Sweetpotato.—Prices nominal. New crop awaited.

Starch, Wheat.—Steady to firm price tone prevailed, while buying was spotty.

Tapioca Flour. — Market position firm. Inquiries and shipments steady.

Tanning Materials

Chestnut Bark.—Shipments moderate against contracts. Prices unchanged and firm.

Cutch.—Market a routine affair. Prices rule firm.

Divi Divi.—Prices hold unchanged, with inquiries light.

Gambier. — Market position firm, while business was narrow.

Hemlock Bark. — Commitments fairly steady. Prices held firm.

Hematine.—Business only moderate, with prices unaltered.

Mangrove Bark.—New business light, and prices the same.

Myrobalans.—J2's $2 lower at $26 per ton; J1's held at $35 per ton. Fair inquiry.

Oakbark.—Purchases steady from regular consumers. Prices were firm.

Osage Orange.—Not much broadening in the demand. Quotations unchanged.

Quebracho.—Firm price tone. New business lacked broadening, but shipments steady.

Quercitron.—Interest only moderate, and prices failed to change.

Spruce.—No new developments in the prices. Demand irregular.

Sumac.—Shipments negligible from primary markets, and prices unavailable.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Wetting Agent Information Presented in New Booklet

The properties and applications of "Deceresol" wetting agents are comprehensively described in a new booklet issued by the American Cyanamid & Chemical Corporation. After discussing the well-known "Deceresol OT," which has won wide acceptance for its wetting, penetrating, dispersing, and dye-leveling uses, the volume presents data on "Deceresol AS."

The latter is stated to be a new type, recently introduced. An amber colored liquid, and containing pine oil, it is recommended particularly for use in highly alkaline textile processing baths, such as in kier boiling, hydrogen peroxide bleaching, and vat and sulphur dyeing. A copy of the new booklet, entitled "Deceresol Wetting Agents," may be secured by addressing the American Cyanamid & Chemical Corporation, 30 Rockefeller Plaza, New York, mentioning the REPORTER.

Polyvinyl Alcohol Resin Now In Refrigerant Hose Form

Polyvinyl alcohol, a new synthetic resin produced by the R. & H. chemicals department of the E. I. du Pont de Nemours & Co., is now available in the form of flexible refrigerant hose.

After testing by both the fabricators and du Pont chemists, the hose, known as "Resistoflex" PVA Refrigerant Hose and "Resistoflex" PVA Refrigerant Charging Hose, is now being manufactured by the Resistoflex Corporation, Belleville, N. J.

Vat Dyeing Discussed By Textile Chemists

The dyeing of vat colors on spun rayons was described by Ormand W. Clark, of the Calco Chemical division of the American Cyanamid Company, before the monthly meeting of the New York section of the American Association of Textile Chemists and Colorists, in the Swiss Chalet, Rochelle Park, N. J., January 24.

Mr. Clark declared that vat dyeing was being employed largely by manufacturers making rayon fabrics to be used for outdoor wear. In such fabrics, it was stated, colors must possess excellent fastness to sunlight and washing. These qualities were said to demand good penetration of the dyestuff into the fabric fiber.

The application of vat dyes to spun rayons were said to follow the methods customarily used for cotton fabrics; extra attention being given to the elimination of excessive tension during processing, and to the achievement of good penetration.

J. H. Alger, vice-president and secretary of Aluminum, Ltd., has been appointed vice-president of the Aluminum Company of Canada, Ltd., succeeding the late O. O. Montgomery.

Quaker Chemical Products Corp., Conshohocken, Pa., has named Joseph H. Klaber to its technical sales and research staff. He studied chemistry at Massachusetts Institute of Technology and received his master's degree from the University of Illinois.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

DRY COLORS—DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLE, 205 Fulton Street, NEW YORK
Telephone: COrtlandt 7-1460-1461 Cable Address: "Fezan", N. Y.

ALBUMENS
. . . for Every Industrial Use . . .
THE LARGEST MANUFACTURERS AND EXPORTERS OF TECHNICAL EGG PRODUCTS OFFER YOU EGGS, LIQUID OR DRIED, IN ANY FORM FOR EVERY INDUSTRIAL USE.
H. GARTENBERG & COMPANY
Write for Samples and Quotations
412 W. PERSHING ROAD
CHICAGO, ILLINOIS
CABLE ADDRESS "GARTEGG"

MUTUAL BICHROMATES
BICHROMATE OF SODA
•
BICHROMATE OF POTASH
•
CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
MUTUAL
NEW YORK N.Y.
MUTUAL CHEMICAL COMPANY OF AMERICA
270 Madison Avenue, New York City

Barrett

Phenol
Cresols
Cresylic Acids
Xylenols
Tar Acid Oils
Naphthalene
Industrial and Household
Phthalic Anhydride
Cumar*
(Para-coumarone—Para-indene Resin)
Rubber Compounding Materials
Coal-tar Bases
Pyridine, Quinoline, Picolines, etc.
Pickling Inhibitors
Benzol
Toluol
Xylol
Solvent Naphtha
Hi-Flash Solvent
Flotation Reagents
Anhydrous Ammonia
Hydrogenated Coal-tar Chemicals

Cyclohexane 98-100%
Methyl Cyclohexane 98-100%
Cyclohexanol 98-100%
Methyl Cyclohexanol 98-100%
Cyclohexanone 98-100%
Methyl Cyclohexanone 98-100%

The Barrett Company • 40 Rector St. • New York, N.Y.

... One of America's great basic businesses

*Trademark Reg. U.S. Pat. Off.

Barrett CHEMICALS

SEND FOR THIS BOOKLET

This new 36 page, pocket size booklet lists the many important Barrett Chemicals, and provides a finger-tip reference of concise descriptions and uses for each product. We will gladly send your copy on request. No obligation.

Coaltar Chemicals

Shipments Move Steadily and Prices Display Firmness — 1940 Tar and Light Oil Recovery Show Sizeable Gain—Benzol, Toluol and Napthalene 1940 Output Higher

Shipments moved against contracts steadily in most divisions of the market for coaltar chemicals last week. Benzol, creosote oil, tar acids and toluol moved well in the basic group. A good inquiry prevailed for fumaric, maleic and picric acids. A number of intermediates were taken steadily. Anilin, dimethylanilin, dinitrobenzene, dinitrotoluene, orthocresol, and phthalic anhydride were especially mentioned. Coaltar colors demand was good in certain directions. Prices lacked any change, and the tone continued steady to firm.

Tar oil recovery during December, 1940, totaled 60,684,407 gallons against 58,941,803 in November and 57,708,726 gallons in December, 1939. Preliminary estimates for the year 1940 place production at 696,300,000 gallons, compared with 526,913,467 gallons in the preceding year. Light oil output during December amounted to about 20,018,155 gallons, against 19,813,788 gallons in November and 19,069,413 gallons in December, 1939. For the 12 months of 1940 output was estimated at 214,700,000 gallons, as compared with 183,814,352 gallons in the year 1939.

Preliminary estimates show 1940 recovery of benzol, crude and refined plus motor benzol, amounted to 132,745,000 gallons, contrasted with 104,913,000 gallons in the preceding year. Naphthalene production during December totaled 7,212,000 pounds, a gain of 5 percent over November and compared with 5,315,000 pounds in December a year ago. For the year 1940, output aggregated 60,900,000 pounds, against 48,460,000 pounds in 1939. Toluol recovery during 1940 was estimated at 24,800,000 gallons, as compared with 19,767,000 gallons in the preceding year.

The production of byproduction coke for month of December, 1940, amounted to 4,890,030 tons, a gain of 2.9 percent over the 4,749,000 tons in November and compared with 4,703,400 tons in December a year ago. Total stocks at producers' plants stood at 1,900,736 tons at the end of December, 1940, a decrease of 96,238 tons, or 4.8 percent below those on hand at the beginning of the month. Byproduct coke was made at 85 plants, of which 80 made ammonia, 55 benzol, 53 toluol and 27 naphthalene.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.6	126.6	126.6	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol. — Shipments moderate. Prices unchanged. December output 12,528,000 gallons against 11,861,000 in November and 11,811,000 gallons in December a year ago.

Carbazole. — Dealings routine, and prices held steady to firm.

Coaltar.—Movement steady. Market position firm and prices the same.

Creosote Oil.—Market retained its firmness. Buying held at satisfactory levels.

Cresols. — Withdrawals steady against contracts to regular channels. Prices display firmness.

Cresylic Acid.—Domestic prices well maintained. Steady interest. Stocks of imported small, and a firmer tendency in prices was apparent.

Naphthalene.—Shipments of crude routine; some seasonal movement of refined expected to materialize. Prices rule firm.

Oil, Shingle Stain.—Trading lacked any new feature, and prices were the same.

Phenol.—Business moved at a good pace. Nothing occurred in the prices and tone was steady to firm.

Pitch, Coaltar. — Demand routine. Pricewise a firm tone prevailed.

Pyridin.—The call was steady and prices displayed firmness.

Tar Acid Oils. — Withdrawals only fair. No change occurred in the prices.

Toluol.—A steady demand prevailed from domestic sources. Prices held firm. December production 2,439,000 gallons, against 2,294,000 gallons in November and 2,168,000 gallons in December, 1939.

Xylol. — Inquiries and shipments moderate. A steady to firm price tone remained in evidence.

Chicago Coaltar Bases

Routine business is reported mostly in the coaltar bases as a whole. Inquiries have been received on a moderate scale for benzol. Movement of toluol against contracts is reported quite steady. Other materials are reported fairly active. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8½c. to 9c., nearby refineries; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — Market routine. Prices unaltered.

Benzoic. — Replacements fairly steady for nearby needs. Prices without change.

Broenner's. — Buying restricted to regular channels. Quotations rule firm.

Cleve's.—New business lacked expansion while prices continued firm.

Fumaric.—Demand moderately active and prices steady to firm.

Gamma. — Interest routine. No change disclosed in the prices.

H.—Dealings narrow. Pricewise a firm tone prevailed.

Laurent's.—Market firm and withdrawals moderate.

Maleic.—Business continued steady. Nothing new occurred in the prices.

Malic.—A fair interest was displayed to keep market in favorable position.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Wood Preservers Ass'n, Feb. 4-6, Louisville, Ky.

Picramic.—Firmness characterized the trading with the call irregular.
Picric.—Steady inquiry and prices retained their firmness.
Salicylic.—Takings moderate. Prices remain the same.
Succinic. — The call was spotty, while prices failed to change.
Sulphanilic. — Spot and contract purchases fair. Prices firm.
Tobias. — Moderate demand, with quotations well sustained.

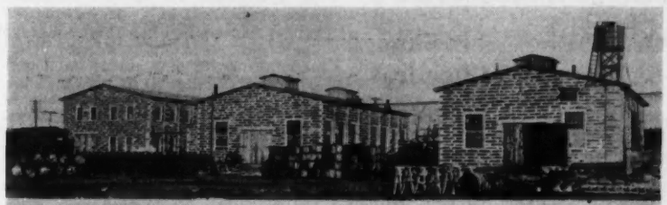
Other Intermediates

Alphanaphthol. — Steady call for moderate quantities. Prices held firm.
Alphanaphthylamine. — Prices firm and buying fairly steady.
Anilin.—Consumers made replacements moderately and market was firm.
Anthraquinone. — Purchases maintained at favorable levels to keep market firm.
Benzaldehyde. — Demand for technical moderate, and prices without alteration.
Benzidin Base.—Buying routine, and quotations rule firm.
Betanaphthol. — Business irregular and prices unchanged.
Bethanaphthylamine. — Firm price tone, while demand followed a routine course.
Dimethylanilin. — Shipments moderately active, prices well maintained.
Dinitrobenzene. — Withdrawals steady. Nothing new occurred in the prices.
Dinitrochlorobenzene. — Steady to firm price tone, with the call steady.
Dinitronaphthalene. — Inquires and shipments moderate. Prices rule firm.
Dinitrophenol.—Transactions conservative. Prices failed to change.
Dinitrotoluene. — Prices firm, and shipments steady.
Diphenyl.—New business light. Prices without change.
G. Salt.—Dealings routine. Prices remain the same.
Metanitroparatoluidin. — Small lots

—*Continued on page* 38

Calco Chemical Marks Twenty-fifth Anniversary

The Calco chemical division of the American Cyanamid Company, this city, is observing its twenty-fifth anniversary. Founded in 1915 to produce coaltar intermediates made scarce by the World War, the company originally occupied three small buildings on the outskirts of Bound Brook, N. J. The



CALCO CHEMICAL PLANT IN 1915

CALCO CHEMICAL PLANT TODAY

Calco plant now comprises more than 100 buildings, occupying approximately 115 acres.

Starting with an initial production of two intermediates, the company now markets approximately 1,000 chemical products, the principal of which are dyes. These are used for the dyeing and printing of various textiles, for paper leather, plastics, and for foods and drugs; color for fur, paints, linoleum. In addition, Calco products are widely used as pharmaceuticals, among which are sulfapyridine, sulfathiazole and sulfanilamide.

Commerce Bureau Under Reorganization

—*Continued from page* 5

give primary attention to furnishing other government agencies and defense contractors with specialized information relating to strategic materials, export license control, procurement, and other aspects of defense.

A new service and information office has been set up in the lobby of the Department of Commerce building for the purpose of assisting visiting businessmen to find the proper government officials with whom to discuss their particular defense problems.

The division of research and statistics will be headed by M. Joseph Meehan, previously chief statistician of the bureau. The division of regional economy will be headed by Charles Clifton Fichtner, dean of the School of Business Administration, University of Arkansas. The division of commercial and economic information will be headed by John H. Morse, vice-president of the Buchen Company, Chicago advertising agency. Chiefs of the other new divisions are expected to be announced shortly.

S.W. Jacobs Re-Elected Chlorine Institute Head

—*Continued from page* 3

the Pennsylvania Salt Manufacturing Company, Philadelphia; Thomas R. Coyle, of the R & H Chemicals department of E. I. du Pont de Nemours & Co., Wilmington; John A. Kienle, of the Mathieson Alkali Works, this city; Louis Neuberg, of the Westvaco Chlorine Products Corporation, this city, and Eli Winkler, of the Columbia chemical division of the Pittsburgh Plate Glass Company. The hold-over directors are:—R. W. Hooker, of the Hooker Electrochemical Company, Niagara Falls, Mr. Jacobs and Mr. Speiden.

UNIFORM
DEPENDABLE

KOPPERS
Coal Tar Solvents

BENZOL—ALL GRADES
TOLUOL—INDUSTRIAL AND NITRATION
XYLOL—10° AND INDUSTRIAL
SOLVENT NAPHTHA—INCLUDING HIGH FLASH

Services of the Koppers Laboratories are always at your command

OTHER KOPPERS CHEMICALS and SOLVENTS

Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades)...3° Meta Para Cresol ...Cresylic Acid—99%, pale, low-boiling—99%, pale, high-boiling) . . . Naphthalene Shingle Stain Oil . . . Refined Tars...Tar Acid Oils...Pitch Coke...Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials...Bituminous-base Paints...Coal...Coke...Tanks and Tank Work...Removal and Recovery Systems...Gas Plants . . . Fast's Self-aligning Couplings . . . American Hammered Piston Rings . . . Pressure-treated Lumber

Coaltar Chemicals

Other Intermediates

—Continued from page 37

usually made up the call. Prices rule unchanged.

Nitrobenzene. — Shipments steady. Prices unchanged and firm.

Nitronaphthalene. — Steady inquiry from usual channels. Prices steady to firm.

Orthoanisidin.—Transactions routine. Prices underwent no change.

Orthochloroanilin.—Purchases moderate. Pricewise, a firm tone predominated.

Orthochlorophenol.—Demand spotty. No new price developments.

Orthocresol.—Sellers well booked ahead against contract. Prices firm.

Orthodichlorobenzene.—Steady to firm tone, with buying steady.

Orthonitroanilin.—Prices unchanged, while withdrawals were well maintained.

Orthonitrotoluene.—Market firm, and shipments moderately active.

Orthotoluidin.—Shipments steady. Prices lacked any change.

Parachlorophenol. — Business irregular, while prices held the same.

Paranitroanilin. — Usual consumers made necessary replacements.

Paranitrophenol.—Prices unchanged, and takings restricted.

Paranitrotoluene.—Firm price tone, business fairly steady.

Paratoluidin. — Spot and contract withdrawals held up well to keep market firm.

Phthalic Anhydride. — Business moved at a good pace. Prices unchanged, and tone firm.

R. Salt.—Market a routine affair, with prices the same.

Thiocarbanilide.—Steady to firm tone prevailed, demand moderate.

Toluidin, Mixed. — Buying steady. Prices well sustained.

Xylidin, Mixed.—Demand irregular. Prices remain unchanged and firm.

Coaltar Colors

Business followed a normal trend in the market for coaltar colors last week. Buying held up well from some consuming channels including the textile and leather, and the outlook for others was promising. A moderate export inquiry continued from certain directions. Prices were without change and tone was steady to firm.

Dr. R. Hitchens Promoted By Monsanto Chemical

Dr. Richard M. Hitchens has been made assistant research director of the organic chemicals division of the Monsanto Chemical Company, St. Louis, succeeding Dr. R. L. Jenkins, who recently was made director of research for the phosphate division.

Dr. R. M. Hitchens

Dr. Hitchens, who has been with Monsanto since 1931 as research chemist and research group leader, was born in 1905 in Mohawk, Mich., and attended the college of the City of Detroit from 1923 until 1927, studying literary and chemistry courses. From 1927 to 1931 he engaged in graduate work in chemistry at the University of Michigan, earning his Ph.D. in 1931. During the Summer, before his senior year at the college of the City of Detroit, he worked as a chemist for the Detroit Edison Company, and during the rest of his education he held teaching assignments in addition to his college work.

Union Carbide Plans Pacific Carbide-Ferro Alloys Plant

The Union Carbide & Carbon Corporation, this city, is planning to build a carbide and ferro alloy plant on the Pacific Coast. It will be so constructed as to make possible the manufacture not only of calcium carbide and ferrosilicon, but also manganese and chrome-bearing alloys.

Bureaucracy Reforms Urged by Probe Group

—Continued from page 3

The Food and Drug Administration would be little changed by the recommendations. No specific reference was made to F.D.A. procedure, the report explaining that the committee itself did not study this agency but had the benefit of a report on it prepared by Mastin G. White, solicitor, and Ashley Sellers, head attorney of the Department of Agriculture. However, the procedure of such agencies as the Federal Trade Commission and the National Labor Relations Board would be considerably changed should the proposals be enacted into law.

Separate Hearing Units

The most important recommendation is that all hearings involving individual situations (as distinguished from hearings on proposed regulations) be conducted by "hearing commissioners" whose decision would be final except on appeal of either the party or the agency to the head of the agency. This would do away with proposed reports of examiners. These hearing commissioners would be appointed by a new agency, the Office of Federal Administrative Procedure, and while they would be nominated by the agencies they serve they would not be under their control nor dependent on their pleasure for tenure of job. They would have terms of seven years and receive high salaries, and their functions would be analagous to trial judges.

The office of Administrative Procedure would be a continuing body, making studies of Federal agencies and receiving complaints on their conduct.

In addition to limiting review of hearing commissioner decisions, it is recommended that prosecuting officers within the agencies have no part in preparing the final decision nor in its review, if any, other than presenting evidence and argument in open session. Review attorneys would be abolished, and the reviewing heads of the agencies would be charged with the responsibility of making decisions themselves. To save their time it is recommended that bureau and commission heads delegate more of their routine work to lesser officials.

Declaratory Judgments Favored

Another important innovation is the recommendation that regulatory agencies be empowered and directed to issue advance or declaratory judgments on the application of a person who wished to know what course of action to follow. It is recommended that such judgments be binding on both the party and the agency and be reviewable in court. Informal procedure is recommended wherever possible, such as settlement of complaints by stipulation and holding informal conferences and obtaining written evidence, instead of resorting to the formal, judicial type of hearing.

In issuing rules and regulations it is proposed that steps be taken to give the public more notice and more information, and that regulated parties be given an opportunity to participate in their drafting. Except in special circumstances, no regulation or amendment could become effective until at least forty-five days after publication. Interested parties would have the right to petition for changes, and each agency would have to report to Congress on the disposition of such petitions.

Speedier Methods Sought

A number of other steps are suggested to eliminate red tape, expense, delay, and mystery in connection with Federal regulation, and to facilitate dealings with the public by giving more publicity to policies. One such recommendation is that all decisions be accompanied by written opinions. Practically every recommendation is already in use by one or more Federal regulatory agency, but every agency probably would have to change its procedure somewhat, some of them very radically.

The 1,000-page report, still being printed, contains detailed discussions and recommendations as to more than thirty regulatory agencies, and while they all would be affected by the committee's general recommendations, some of the specific suggestions may meet opposition not only from the agencies themselves, but also from some business interests accustomed to present methods. A redraft of the old Logan-Walter bill has been reintroduced in Congress, and it is expected that there will be lengthy hearings and many alternative proposals before legislation is finally enacted.

REPUBLIC AMMONIUM SULPHATE

REPUBLIC STEEL

ALSO

BENZOLS 1°—2°—90% - Motor

TOLUOLS Nitration-Commercial

XYLOLS 3°—5°—10°—Commercial

CRUDE NAPHTHALENE • SOLVENT NAPHTHA

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL CORPORATION

General Offices • Cleveland, Ohio

BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Cleveland, Ohio • Warren, Ohio • Youngstown, Ohio Canton, Ohio • Massillon, Ohio • Gadsden, Alabama • Birmingham, Alabama

Low Temperature Carbonisation, Ltd.

ENGLAND

Largest manufacturers in the World of low temperature tar acids of the highest possible degree of purity and efficiency.

A considerable proportion of the output is already being exported to North and South America for disinfectants, germicidal products and plastics, in addition to the special high efficiency flotation grade for the mining industry.

This is the first time in history that highly refined tar acids of this type have been made available on a large scale, and remarkably good results are being obtained by our many American buyers.

Please send us a note of your requirements with full particulars to our Sales Agents:—

TAR RESIDUALS, LTD., "Garthlands," Reigate Heath, SURREY, ENGLAND

BENZOL

TOLUOL

XYLOL

ALL GRADES

DRUMS OR BULK

CARLOAD TO CARGO

THE COASTWISE PETROLEUM COMPANY

Munsey Building BALTIMORE, MD.

Cable Address: "LUBOYLE"

Refinery and Deepwater Terminal, Good Hope (New Orleans), La.

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Seven-hundred-thirty-fourth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Bis-(2-ethylbenzoselenoazole-1)-heptamethincyananin Iodide

Photographic

Claimed (Brit. 485623 and 503337) as—
Valuable light filter
Sensitizer (Brit. 485623 and 503337) in—
Photographic emulsions to light of wave length greater than 10,000

1:5-Bis-(para-anilinesulphonamido)-naphthalene

Pharmaceutical

Claimed (Brit. 502173) as—
Therapeutically valuable product for treating bacterial infectious diseases

4′:4″-Dihydroxy-3″-methoxyfuchsone Sulphonate, Calcium Salt

Dye

Intermediate (Brit. 485228, 485266, and 502216) in making—
Synthetic dyestuffs

Pharmaceutical

Claimed (Brit. 485228, 485266, and 502216) to have medicinal properties

Dibutylaminopropylcellulose

Adhesives

Starting point (Brit. 489668) in making—
Waterproof adhesive compositions

Bottling

Starting point (Brit. 489668) in making—
Sizes (solutions in acids) for regenerated cellulose used for capping and sealing purposes (said to improve the anchorage thereto of printing inks and lacquers)

Cellulose Products

Starting point (Brit. 489668) in forming—
Filaments
Films which are clear, tough, and pliable
Bristles
Self-supporting films

Chemical

Starting point (Brit. 489668) in making—
Addition salts with acids

Furniture

Starting point (Brit. 489668) in making—
Waterproof adhesives for veneering purposes

Miscellaneous

Ingredient (Brit. 489668) of—
Coating compositions useful for various purposes

Rubber

Starting point (Brit. 489668) in making—
Sizes (solutions in acids) for rayon tire cord (used to improve adhesion to the rubber)

Hexaurea-Iron Chloride

Leather

Tanning agent (Brit. 470530)
Tanning agent (Brit. 470530) giving—
Efficient results and effects not formerly obtainable with iron salts
Compact grain
Complete tanning of dehaired hides in a few hours (the leather, it is claimed, may be rinsed immediately, but preferably after storage for a short time)
Good color
Good touch
High yield
Stability to storage
Stability to swelling

Hydroxystearic Acid

Chemical

Reactant in—
Organic syntheses
Starting point (Brit. 416631) in making—
Nitriles, with ammonia

4-Laurylmorpholin

Insecticide

Toxic agent (Brit. 503490 and 503507) in—
Insecticidal preparations

Methylmorpholin

Chemical

Organic chemical offering the following properties—
Colorless liquid
Completely miscible with water and benzene
Forms constant boiling mixtures with water containing 25 percent water and boiling at 97° C.
Lower boiling point than morpholin.
Substitute for morpholin in making—
Emulsifying agents for polishes

Methyl Paraoxybenzoate

(Additional uses — supplementary to information in the book, Uses and Applications of Chemical and Related Materials—see bottom of this page)

Miscellaneous

Preventive of—
Fermentation Mold

3-Methylthiorhodanin

Dye

Starting point (Brit. 478945 and 496520) in making—
Photosensitizing dyes with the aid of—
3-Ethylthiol-2:4-benzothiazin ethiodide
3-Ethylthiol-2:4-benzothiazin methiodide
3-Methylthiol-2:4-benzothiazin ethiodide
3-Methylthiol-2:4-benzothiazin methiodide

Myristic Acid Isopropylester

Chemical

Solvent for—
Cholesterol

Cosmetic

Substitute for—
Mineral and vegetable oils in cosmetics and toilet preparations

Nickel Carbonate

(Carbonate de Nickel, Carbonate Nickelique, Carbonato di Nichele, Carbonato de Niquel, Kohlensauresnickeloxydul, Nickelcarbonat, Nickelkarbonat)

Ceramic

Ingredient of—
Ceramic colors Glazes

Chemical

Catalyst (Brit. 278777) in—
Hydrogenation of—
Alcohols
Catalyst (U.S. 1973662) in making—
Diluents or solvents for pyroxylin or resin compositions from olefins, acetylenes, dienes, or polyenes, vaporphase-cracked petroleum products
Catalyst (special) in making—
Benzyl alcohol (U.S. 1247629)
Cyclohexanol (U.S. 1247629 and 1391666)
Lauryl alcohol (Brit. 381476)
Methylbenzyl alcohol (U.S. 1247629)
Octyl alcohol (Brit. 381476)
Stearic alcohol (Brit. 381476)
Ingredient of catalytic mixtures used in making—
Esters from alcohols (U.S. 1817898, 1817899, 1937284, and 1937285)
Formaldehyde from methane (Brit. 433559)
Starting point in making—
Nickel formate (U.S. 1296496 and 1378337)
Nickel oleate (U.S. 1378337)
Other nickel salts
Starting point in making—
Catalysts for specialized processes, such as—
Dehalogenizing organic compounds
Destructive hydrogenation
Hydrogenation processes
Reduction processes
Starting point (special) in making—
Catalyst, with alkali silicate (U.S. 1391666)
Catalysts (U.S. 1139592, 1168404, 1185075, 1226945, 1247927, 1268692, 1299004, 1314642, 1329322, 1335161, 1345323, 1381969, 1427037, 1432668, 1450174, 1482740, 1519035, 1519088, and others)
Dehydrogenation catalysts (U.S. 1215334, 1215335, 1216933, and 1271013)
Hydrogenation catalysts (U.S. 1164141, 1185075, 1215334, 1215335, 1216933, 1222608, 1236446, 1247516, 1261911, 1271013, 1275405, 1482740, 1511520, 1519088, and others)
Oxidation catalyst (U.S. 1345323)

Fats, Oils, and Waxes

Catalyst in hydrogenating—
Corn oil (U.S. 1247516 and 1450174)
Cottonseed oil (U.S. 1164141, 1247516, and Re-14656)
Fat (U.S. 1275405)
Oil (U.S. 1275405)
Olive oil (U.S. 1450174)
Sesame oil (U.S. 1450174)
Whale oil (U.S. 1247516)
Catalyst (U.S. 1261911) in making—
Hardened fat
Reagent (U.S. 1247516) for—
Freeing marine animal oils from—
Arsenic compounds
Catalyst poisons
Chlorine compounds
Cyanide derivatives
Iodine compounds
Phosphorus compounds
Sulphur compounds
Starting point in making—
Catalysts (special) for hydrogenation processes (U.S. 1164141, 1185075, 1215334, 1215335, 1216933, 1222603, 1236446, 1261911, 1271013, 1275405, 1482740, 1511520, 1519088, and others, and Re-14656; French 517898)
Catalysts used in the hydrogenation of—

Animal oils	Polymerized oils
Fats	Unsaturated oils
Fish oils	Vegetable oils
Oxidized oils	

Catalysts used in processes for modifying—
Vegetable or animal ester waxes (claimed to improve color, iodine value, and meltingpoint of unsaponifiable matter, and solubility in turpentine or other solvent)

Metallurgical

Ingredient of—
Chromeplating electrolytes (French 660025)
Electrolytes in plating processes
Welding electrode (U.S. 1519007)
Reagent (U.S. 1251511) for—
Separating nickel from copper

Military

Ingredient of—
Gas-absorbent (U.S. 1422211)
Hopcalite (U.S. 1345323)

Petroleum

Catalyst (U.S. 1973662) in making—
Diluents or solvents for pyroxylin or resin compositions, from olefins, vaporphase-cracked petroleum products
Starting point (U.S. 1160670 and 1168404) in making—
Catalysts used in cracking processes

Soap

Starting point in making—
Catalysts used in the hydrogenation of—

Animal oils	Fish oils
Fats	Vegetable oils

Wood

Ingredient (U.S. 1500066) of—
Impregnating agent for wood treatment

Paramethoxyvinyl Ketone

Resins

Starting point (Brit. 484599) in making—
Polymerized products useful as resins

Phenyldichloroarsin

Military

As a military poison gas (lachrymator, lung irritant, vesicant)
Solvent for—
Diphenylcyanoarsin
Starting point in making—
Sternite (by admixture with diphenylchloroarsin)

Sodium Orthoiodohippurate

Pharmaceutical

Contrast medium (Brit. 498801) in—
X-ray photography of the urinary system (used in aqueous solutions in the presence of urethanes or water-soluble pyrazolones)

Tetradodecylthiuram Monosulphide

Rubber

Accelerator and improver (Brit. 499935) in—
Vulcanizing process (without trouble from prevulcanization)

Uses and Applications *of Chemicals and Related Materials* • A cloth-bound book of 665 pages (6 x 9) containing information similar to that above on 5167 materials • **$10** postage paid in U. S. 39c postage elsewhere.

Bristles Not Scarce

Prices of paint-brushes and others made of bristles are said to have been raised substantially during recent months. Buyers are a bit puzzled by some of the explanations attributed to makers of brushes and other sellers. A popular reason appears to be that the supply of bristles is greatly below normal because of conditions in China and the general vicinity.

This condition is not in keeping with the information possessed by those who collect data on such matters. Official records of imports show that the United States received bristles from abroad at the rate of 458,780 pounds a month during the first eleven months of 1940; whereas, the monthly average was 430,243 pounds in 1939; 267,454 pounds in 1938; and around 383,335 pounds over the period 1932-39.

Close observers attribute a large part of the higher prices of brushes to increased cost of bristles in the primary markets — chiefly China, which supplies almost 90 percent of U. S. imports. But this factor has been a variable one. True, the entered value of imported bristles averaged 20 percent more in 1940 than in 1939; but the 1938 average was but 1.17 percent below that for 1940.

A stronger influence has been exerted by increases in the cost of transporting bristles from China to the United States. And the same cost is an enlarged item in getting here the 10 percent that come from other lands.

Emulsified Asphalt Sellers Fined $30,000 in Georgia

Atlanta, Jan. 24, 1941

Three oil refining companies and one individual were fined a total of $30,000 in Federal court today for conspiracy and monopoly in the sale of emulsified asphalt to the State. The companies and their assessments were the Emulsified Asphalt Refining Company, Charleston, S. C., $4,000; Shell Oil Company, St. Louis, $5,000, and the American Bitumuls Company, San Francisco, $6,000. The individual, Hiram W. Evans, was fined $15,000. All pleaded nolo contendere to charges of forming an association through which they allegedly sold $456,427 worth of emulsified asphalt to the State at a price of $90,000 in excess of open competitive quotations.

Defense Painting Calls For Many Materials

—Continued from page 3

ucts and on work, the painting will require at some stage the following materials:—

Aluminum pigment paste (TT-A-466, type A)
Ammonia stearate
Asphalt
Bituminous vehicle for aluminum paint
Carbon tetrachloride
Chrome oxide green
Chrome yellow, medium
Dammar
Denatured alcohol
Glyceryl phthalate resin
Hygroscopic salt
Indian red
Iron oxide
Lampblack
Lime, hydrated
Linseed oil, bodied
Linseed oil, raw (JJJ-O-336)
Magnesia silicate
Mineral spirits
Muriatic acid
Portland cement, white
Prussian blue
Putty, linseed oil (TT-P-791a)
Red lead (TT-P-86)
Shellac varnish (TT-P-91a, type I, grade A)
Sienna, raw
Titanium dioxide
Titanium oxide (ASTM D-384-36)
Titanium oxide, chalk-resistant (RM-130-6, type 1)
Titanium-calcium pigment (ASTM D-383-5)
Toluol
Turpentine (LLL-T-791a or LLL-T-792)
Ultramarine blue
Umber, burnt, Turkey
Venetian red
White lead, basic carbonate (TT-P-251a)
White lead, basic sulphate
Zinc dust
Zinc oxide (TT-Z-301)
Zinc oxide, French process (ASTM D-79-24)
Zinc oxide, leaded

Trade Briefs

Glue imported into China during the January-October, 1940 period, diminished in both quantity and value to 336,111 kilograms from 912,296 kilograms. Japan was the principal supplier.

New England Paint and Varnish Production Club and Paint and Oil Club of New England's paint technology course being given at Franklin Union Institute, Boston, has entered its second semester.

Dr. Early Blough, president and a director of Aluminum Laboratories, Ltd., and a director and vice-president of Aluminum, Ltd., has been named to the directorate of the Aluminum Company of Canada, Ltd.

Andrew S. Butler, president of McDougall-Butler Company and former commissioner of parks in Buffalo, is a candidate for a third term as president of the Benchers Club of Chapin Parkway, which he founded.

Lac Research Laboratory of the London Shellac Research Bureau in University College, London, has been closed down, and a succeeding laboratory has been opened at the School of Mines in Edinburgh, Scotland.

W. S. Forest Products Laboratory, Madison, Wis., has issued revised editions of two technical notes—163, "Determining Penetration of Wood Preservatives," and 228, "Aluminum Coatings for Moisture-Proofing Wood."

William H. Dernell, manager of the Buffalo district for Ault & Wiborg Corporation, paint manufacturer, this city, has been named Southern California district manager, with offices in Los Angeles. He has been with the company twenty years.

H. R. Hamberg has opened an office at 6015 Pershing avenue, St. Louis, for specialized supplying of materials for the production of paints, varnishes, lacquers, enamels, and related products. Mr. Hamberg has had a long and intimate service in that field.

Plastic, Coldwater Paint Calcimine Sales: 1940

Sales of plastic and cold-water paints and calcimines reported by fifty-three manufacturers to the Bureau of Census for 1940, and comparative data for 1939, were as follows:—

Plastic Paints

	Pounds	
	1940.	1939.
Paste, casein-bound	1,668,063	839,121
All other	*	676,904
Dry, casein-bound	4,273,227	3,368,379
glue-bound	1,954,427	1,805,108
Totals	7,895,717	6,684,512

* Included in casein-bound paste figure to avoid disclosing data reported by individual establishments.

Cold-Water Paints

	Pounds	
	1940.	1939.
Exterior, lime or cement-bound	11,322,795	9,884,822
casein-bound	3,913,327	5,258,556
†Interior, casein-bound, paste or semi-paste form	3,468,414	2,968,812
dry powder form	14,975,532	13,582,820
glue-bound	3,509,083	4,361,180

† Gallons.

Calcimines

	Pounds	
	1940.	1939.
Hot water	29,744,232	35,309,472
Cold water	31,063,949	36,574,858
Totals	60,781,201	71,884,330

Value of the sales of these products for 1940 compared with 1939 was as follows:—

	Value	
	1940.	1939.
Plastic paints	$560,662	$488,605
Cold-water paints	5,831,944	5,340,441
Calcimines	2,543,269	3,023,098

American-Marietta Promotes C. Beaver and M. Rogers

Chicago, Jan. 29, 1941

C. S. Beaver, general manager of operations at Marietta, Ohio, and High Point, N. C., and Muir Rogers, manager of the Midwestern industrial finishes division, have been elected vice-presidents of the American-Marietta Company, paint manufacturer, Chicago. G. M. Hermann, Jr., son of the board chairman, has been named to the directorate.

Fine CHEMICALS
FINE HEYDEN CHEMICALS

Pentek
Pentaerythritol Technical
Dipentek
Dipentaerythritol Technical

These newer Heyden products are available in ample quantities and at a cost which has enabled the manufacturers of plastics and coatings to take advantage of the important improvements which they produce in finished compositions.

In addition to the parent compounds PENTEK and DIPENTEK, many derivatives have been discovered and produced in the Heyden organization. Some have excellent compatability with cellulose compositions, vinyl compounds, urea-formaldehyde resins and polystyrene, and show promise as plasticizers in these fields of use.

Samples and further information on request.

SIXTEENTH ANNUAL BANQUET
Drug, Chemical & Allied Trades. Waldorf Astoria, Thursday, March 13th. Reservations through John C. Ostrom c/o New York Board of Trade, 41 Park Row, New York City.

HEYDEN Chemical Corporation
50 UNION SQUARE · NEW YORK CHICAGO BRANCH: 180 N. WACKER DRIVE
FACTORIES: GARFIELD, NEW JERSEY FORDS, NEW JERSEY

Paint, Varnish, Lacquer Materials

Most Raw Paint Materials Continue to Move at Good Pace —Heavier Spring Business Anticipated—Domestic Casein Reduced Fractionally — Naval Stores Quieter

The movement of raw paint materials continued in heavy volume for most products during the period under review. The call for various grades of lead and zinc pigments remained particularly heavy, with many producers pressed to deliver on schedule. New business showed signs of increasing, although last week's activity in the market was mainly concerned with contract call. Chemical and earth colors were moving well, with producers anticipating much heavier volume of business within the next few months. Certain color items may be advanced for second quarter delivery.

One weakness in the market during the week was a smaller demand for domestic casein. This resulted in a fractional reduction of prices. Bone and hide glue quotations were very strong, with an increase anticipated in the near future. Supplies were very scarce and there was little material disposed of during the week. Southern and local markets for naval stores were quieter so far as new business was concerned, many consumers and dealers being disposed to curtail purchases owing to a downward trend in various other commodities and uncertainty concerning political affairs at home and abroad. Turpentine ruled steady. Rosin was irregular.

Metallic Lead and Zinc

A good demand for pig lead continued in the market last week. Prices were firm at New York and East St. Louis. Slab zinc producers continued to strictly allocate sales, with stocks reported growing smaller. Price was firm. Preliminary figures indicate that production of lead, in terms of recoverable metal, amounted to 454,340 short tons last year, an increase of 10 percent over the 413,979 produced in 1939. Zinc production, in terms of recoverable metal, was believed at 666,369 short tons, a 14 percent increase over the 1939 figure of 583,807 tons.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from January 25 to January 31, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0550@.0555	$0.0535	.. * .. ..
Monday	.0550@.0555	.0535	.. .. ..
Tuesday	.0550@.0555	.0535	.. .. ..
Wedn'sd'y.	.0550@.0555	.0535	.. .. ..
Thursday.	.0550@.0555	.0535	.. .. ..
Friday	.0550@.0555	.0535	.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from January 25 to January 31, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	.. * .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Demand good. Offerings lighter. Price unchanged.

Flake White.—Contract shipments routine. Price firm.

Litharge.—Business holding to good level. Shipments regular and in large volume. Price steady and unchanged.

Lithopone. — Better - than - normal trade continued to feature the market. Inquiries were good. Prices firm.

Red Lead.—Demand strong. Price firm.

Titanium Pigments.—Deliveries were heavy, mostly on previously-made contracts. New business was fair. Prices unchanged and firm.

White Lead.—Satisfactory demand remained. Prices firm.

Price Changes

Advanced

Rosin, gum, low grades, 1c. to 4c. per 100 lbs.
Turpentine, gum, ¼c. per gal.

Reduced

Casein, dom., ¼c. per lb.
Rosin, gum, medium grades, 1c. to 10c. per 100 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.0	128.0	128.0	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Zinc Oxides.—Strong call from paint and rubber manufacturers. Shipments heavy. New business good. Prices firm and unrevised.

Fillers and Extenders

Asbestos.—Satisfactory buying interest reported. Price firm and unchanged.

Asphaltum.—Fair call. Price firm.

Barytes.—Demand good. Inquiries more numerous. Contract shipments normal. Price firm and unchanged.

Blanc Fixe.—Routine trade reported. Deliveries normal. Prices firm.

China Clay.—Fair call. Firm price.

Diatomaceous Earth.—Good buying interest noted. No change in quotations.

Fuller's Earth. — Business normal. Price firm.

Graphite.—Stable tone seen. Deliveries moving out at fair rate. New business small.

Gypsum.—Little of new interest. Contract call routine. Price firm.

Mica.—Inquiry better. Prices firm.

Woodflour.—Domestic material in fair call. Prices firm.

Naval Stores

Quieter conditions prevailed in Southern and local markets for naval stores last week and developments of more than ordinary interest were lacking. A downward trend in the markets for securities and various other commodities made consumers of rosin and turpentine disposed to curtail purchases for a time and await further events, and the same was apparently true of more or less disturbing news from abroad concerning the progress of the war. Uncertainty as

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Wood Preservers Ass'n, Feb. 4-6, Louisville, Ky.
Painting Contractors of Amer., Feb. 4-7, St. Paul, Minn.
Purchasing Agents Ass'n, May 26-29, Chicago.

EXCELLENT MISCIBILITY WITH OILS & VARNISHES
LIGHT IN COLOR (IDEAL FOR WHITES)
EASY BRUSHING & GOOD LEVELING
VERY GOOD GLOSS & COLOR RETENTION
ENTIRELY SOLUBLE IN MINERAL SPIRITS & COAL-TAR SOLVENTS
NEUTRAL WITH BASIC PIGMENTS

ACID VALUE 3-4: VISCOSITY Z1—Z2
60% SOLIDS—40% MINERAL SPIRITS

PARAMET SYNTHETIC RESINS

SAMPLE AND PERTINENT DATA ARE YOURS FOR THE ASKING.

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

Built for Yesterday's Needs !

The advancing years call constantly for new methods, new processes, new products.
That's why—through 25 years of leadership in the field—Metasap has never rested on past laurels. Instead, through continued research, Metasap is keeping the paint, oil and chemical industries supplied with metallic soaps that meet the requirements of today's product needs.

Write Us Today!

METASAP CHEMICAL COMPANY

PALMITATES
STEARATES
of ALUMINUM, CALCIUM, LEAD, ZINC

Harrison, N. J. Boston Los Angeles Chicago Cedartown, Ga.

LAMP CARBON BONE **BLACKS** LAKE VINE OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

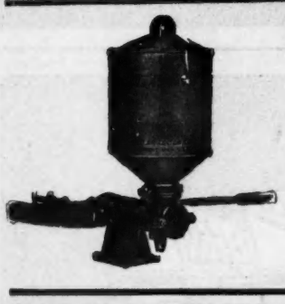
PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for thirty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
59 BEEKMAN STREET, NEW YORK CITY

Lacquer and Varnish Gums
Thurston & Braidich, Importers, 286 Spring St., New York

Headquarters for **ROSIN OIL**
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL AND SIZE COMPANY
R. K. O. Building, Rockefeller Center, New York, N. Y.
Offices: 3001 West 47th Street, Chicago, Ill. Factory: Savannah, Ga.

ASBESTOS FIBRES For the PAINT TRADE
ASBESTOS CORPORATION OF AMERICA
90 West Street Telephone REctor 2-0656 New York

STANLEY DOGGETT, Inc.
ESTABLISHED 1878
MANUFACTURERS and IMPORTERS
DRY COLORS OF MERIT—QUALITY PIGMENTS
75 VARICK STREET, NEW YORK



No. 12 Can or Tube FILLER
For Filling Colors in Oil or Japan. Adjustable to any capacity up to 1 quart.
Write for quotations
ARTHUR COLTON CO.
2624 East Jefferson Avenue
DETROIT :: MICHIGAN

STEARATES
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
Stocks at
- NEW YORK
- CHICAGO
- ST. LOUIS
- KANSAS CITY
- DALLAS
- LOS ANGELES
- SAN FRANCISCO
- SEATTLE

FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.

METHYL PROPYL KETONE
A medium boiling Ketone
DISTILLATION 100-103° C.
For
Organic synthesis
Nitrocellulose and resin solvent
STANDARD ALCOHOL CO.
26 BROADWAY - - NEW YORK, N. Y.

to tax and other legislation at Washington also was not without effect upon the attitude of buyers of raw materials of all kinds, naval stores by no means excepted.

Rosin quotations showed irregularity during the week, changes from day to day generally being within comparatively narrow limits. Turpentine prices were stationary much of the time. The government remained in the market as a seller of turpentine and rosin. Offerings from other sources were light or moderate in the main and there was sufficient buying interest to give the situation a steady tone. The movement into consuming channels on contracts apparently held up well and to some the indications still seemed to point to an increase in the requirements of consumers during the final quarter of the current naval stores season as compared with the corresponding period in the previous season.

Turpentine.—The market here for turpentine was quieter last week, such transactions as were reported being limited to comparatively small quantities for prompt shipment. The tone was steady in company with the primary market.

SAVANNAH, Jan. 31.—Following is a record of the turpentine market for the week:—

	Gallons— Cents.	Sales.	Barrels— Receipts.	Shipments.	On hand.
Saturday*	...	...	...	...	...
Monday	37¼	800	4	5	10,775
Tuesday	37¼	1,500	31	69	10,737
Wednesday	37¼	3,100	30	192	10,575
Thursday	37½	750	9	176	10,408
Friday	37½	400	28	17	10,149

* No trading.

JACKSONVILLE, Jan. 29.—Turpentine stocks 14,584 barrels.

PENSACOLA, Jan. 25.—Turpentine stocks 10,607 barrels.

Chicago—Jan. 31

Business in turpentine is reported more active. Five-drum lots, 44c. per gallon; five wood barrels, 49c.; single drums, 47c.; single barrels, 52c.

Rosin. — Changes in local rosin quotations were generally within comparatively small limits last week, the prevailing tone being steady. Demand here was apparently limited to unimportant quantities to fill the current needs of consumers.

SAVANNAH, Jan. 31.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$1.52	$1.54	$1.54	$1.55	$1.55
D	...	1.63	1.65	1.66	1.67	1.64
E	...	1.63	1.63	1.66	1.64	1.64
F	...	1.63	1.65	1.66	1.64	1.64
G	...	1.64	1.65	1.66	1.64	1.64
H	...	1.71	1.73	1.71	1.68	1.67
I	...	1.83	1.83	1.81	1.75	1.74
K	...	2.00	2.00	1.98	2.00	2.01
M	...	2.10	2.10	2.08	2.10	2.09
N	...	2.25	2.25	2.24	2.23	2.25
WG	...	2.55	2.55	2.55	2.55	2.55
WW	...	2.76	2.76	2.76	2.76	2.76
X	...	2.76	2.76	2.76	2.76	2.76
		Barrels				
Sales	...	348	105	71	348	85
Receipts	...	120	303	102	195	303
Shipments	...	160	300	10	160	632
Stocks	...	...	...	...	...	170,836

* No trading.

JACKSONVILLE, Jan. 29.—Rosin stocks 333,774 barrels.

PENSACOLA, Jan. 25.—Rosin stocks 55,943 barrels.

Chicago—Jan. 31

Rosin market fairly active. Five-drum lots were:—B grade, $3.07 per lots of 100 pounds net; G grade, $3.12; M grade, $3.65; W.W. grade, $4.18.

Other Naval Stores

Pine Oil.—Fairly active in a jobbing way. Market steady.

Pitch.—Local stocks light or moderate. Demand fair. Prices firm.

Rosin Oil.—Increase noted in request for moderate lots. Tone steady.

Tar.—Selling schedules stationary. Fair movement on contracts and transient orders.

Driers

Stearates and palmitates continued to move in good volume on contract. Total deliveries during the week were believed heavier than in previous period. Business was reported running ahead of last year. Prices were firm and unrevised.

FILAC
ELEAN SOLUBLE NITRATE FILM SCRAP
HORN, JEFFERYS & CO.
BURBANK, CALIFORNIA
"Available in Flakes"

SLCo
Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products
STANDARD ULTRAMARINE CO.
HUNTINGTON WEST VIRGINIA

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

DRUM ROLLER
Our Drum Rollers are built to fit any size or capacity drum, barrel or tank. Standard units are capable of rotating a 1000 pound gross load at 30 r.p.m. with a ¾ h.p. back geared motor. The rotating speed can be changed to suit individual requirements.
Rolls of proper width amply support the load, yet clear rolling hoops and bung openings. Flanged end wheels prevent injury from end play.
Send for Drum Roller and Drum Tumbler circulars and prices.
THE VOL-U-METER CO. 59 Terrace BUFFALO, N.Y.

Dry Colors

Alkali Blue.—Tone good. Demand holding well.

Bone Black.—Satisfactory movement reported. Prices unchanged.

Carbon Black.—Deliveries were very heavy. Call was reported larger than supplies available for immediate shipment. Demand was running ahead of similar period last year. Price steady.

Cadmium Lithopones.—Contract call was good during the period under review. There was no pick-up reported in spot business, but inquiries were better. Prices were firm.

Carmine No. 40.—Trade was only fair and not responding as well as other colors. Deliveries were routine. Price was firm.

Chrome Colors.—Good demand reported. Prices firm.

Iron Oxides.—Market continued to hold to good level. Contract call was fairly insistent. Prices were steady.

Lamp Black.—A heavy contract call continued to be present in the market last week. Prices were unchanged.

Mercuric Oxides.—The technical red and yellow materials were moving better last week. No changes in prices were made.

Vermilion.—Demand remained only fair, with shipments in small-sized lots. Price was steady.

Lacquer Materials

Business continued to move steadily in the market for lacquer materials and solvents. Consumers made good size replacements against contracts in many items. Acetone presented a tight situation, and producers were reluctant to take much new business or to accept export inquiries. Butyl alcohol was moderately active. Ethyl and isopropyl acetate met with a good inquiry. Ethyleneglycol was well taken. Prices lacked any change while the tone was one of firmness.

Acetone.—Steady interest, with some sellers limiting new business. Prices unchanged and firm.

Alcohol, Butyl.—Business moderately active, and prices rule firm.

Cellulose Acetate.—Buying held steady. Nothing new occurred in the prices.

Dibutyl Phthlate.—Commitments routine. Prices failed to change.

Ethyl Acetate.—Price tone firm. Spot and contract buying moderately active.

Ethyleneglycol.—Demand good. Prices held at previous levels.

Isopropyl Acetate.—Replacement buying was steady. No change disclosed in the prices.

Methyl Acetate.—A steady to firm price tone prevailed. Usual consumers made their appearance steadily.

Tricresyl Phosphate.—Spot and contract business moderately active. Prices failed to change, and tone was firm.

Shellac

The spot market for shellac was very steady throughout the past week notwithstanding the fact that quotations from Calcutta came in slightly lower at times during the period under review. Uncertainty of future arrivals on this market tended to keep values on the steady. Also, the outlook for very good consumption during the months ahead was not without its influence. Quotations on spot lacked quotable change and reports failed to include any substantial deviation from schedules generally quoted as the market.

Varnish Gums

The market for copal and dammar gums continued to show moderate improvement. Deliveries on previously-made contracts increased during the period under review. New business was less conservative. Stability in prices at primary centers was reflected in domestic markets.

Synthetic Resins

Ester gum movement held to previous levels during the week. Contract deliveries were well maintained. Inquiries were more numerous. Price was steady and unrevised.

Glues and Binders

Casein.—Demand slackened somewhat last week and the price of the domestic material was reduced ¼c. per pound. Offerings were made at 12½c. to 13½c. per pound for the 20-30 mesh and at 12¾c. to 13¾c. for the 80-100. Argentine material was unchanged. The imported product was being shipped in good volume, despite reports that shipping space from South America was hard to obtain.

Glues.—Both hide and bone glues remained very scarce during the period under review. Material was practically unavailable at listed prices. Advances are anticipated.

Krebs Corp. Offering New Titanium Pigments

The Krebs Pigment & Color Corporation, Wilmington, announces two entirely new and basically improved titanium pigments. They are characterized by extremely high tinting strength and hiding power, exceeding present "Ti-Pure" and "Ti-Cal" by 33 percent on the average without sacrificing other qualities, the company reported.

This improvement is the result of a new manufacturing process. It changes the crystal structure of the titanium dioxide to a form having a higher index of refraction and resulting opacity. The new pigments have been designated as "Ti-Pure" R titanium dioxide and "Ti-Cal" R titanium calcium pigment.

Boyer Wins Junior C.of C. Award for Plastic Process

Chicago, Jan. 28, 1941

Robert A. Boyer, 31-year-old head of a Ford Motor Company research laboratory, today was named winner of the United States Junior Chamber of Commerce distinguished service award for 1940 for his development of a process for making plastic automobile bodies.

Paint, Varnish, Lacquer Sales Up

The value of paint, varnish, lacquer and fillers sold in 1940, as reported by 680 establishments to the Bureau of Census, was $412,515,812. Details of sales reported by these establishments and comparative data for 1939 follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments—Trade sales of paint, varnish, and lacquer.	Industrial sales—Total.	Industrial sales—Paint and varnish.	Industrial sales—Lacquer.	Unclassified sales reported by 100 establishments.
1940.						
January	$28,666,635	$13,549,867	$12,317,340	$8,369,445	$3,947,895	$2,799,428
February	26,537,573	13,042,764	11,146,277	7,584,649	3,561,628	2,348,532
March	31,592,093	16,144,606	12,639,821	8,681,802	3,958,019	2,807,666
April	37,656,398	20,188,957	13,849,723	9,851,848	3,997,875	3,617,718
May	43,463,222	24,943,448	14,150,310	10,146,311	4,003,999	4,369,464
June	37,897,861	21,718,413	12,582,231	9,052,581	3,529,650	3,597,217
July	35,553,580	19,573,840	12,732,233	9,611,083	3,121,150	3,247,507
August	36,441,511	19,302,935	13,651,210	9,703,492	3,947,718	3,487,366
September	35,327,356	18,416,711	13,458,969	9,237,834	4,221,135	3,451,676
October	39,179,174	19,638,441	15,953,121	10,759,348	5,193,773	3,587,612
November	31,892,256	15,115,083	14,048,944	9,578,739	4,470,205	2,728,229
December	28,308,153	12,520,203	13,434,963	9,141,234	4,293,729	2,352,987
Totals (year)	$412,515,812	$214,155,268	$159,965,142	$111,718,360	$48,246,776	$38,395,402
1939.						
January	$25,166,042	$12,496,706	$10,269,334	$6,942,879	$3,326,455	$2,400,002
February	25,399,464	13,145,314	10,019,901	6,777,622	3,242,279	2,234,249
March	32,888,357	17,656,995	12,112,220	8,278,015	3,834,205	3,119,142
April	33,999,205	18,862,040	11,843,329	8,581,577	3,262,252	3,293,336
May	41,853,977	25,436,982	12,578,360	9,259,538	3,318,822	3,838,685
June	38,504,857	22,341,180	12,585,957	9,328,873	3,257,084	3,577,720
July	30,758,617	17,215,946	10,713,443	7,982,902	2,730,541	2,829,228
August	34,448,530	19,046,555	12,153,308	8,842,068	3,311,210	3,248,667
September	38,379,427	21,413,297	13,381,467	9,539,705	3,841,762	3,584,663
October	35,827,911	18,466,640	14,007,459	9,718,466	4,288,993	3,353,812
November	30,472,039	14,980,510	12,842,982	9,063,230	3,779,702	2,648,597
December	26,810,065	12,687,134	11,589,021	8,090,262	3,498,759	2,533,850
Totals (year)	$394,508,431	$213,749,249	$144,097,231	$102,405,167	$41,692,064	$36,661,951

For

hard-to-solve

color problems

see your Imperial representative

IMPERIAL PAPER AND COLOR CORPORATION

Pigment Color Division GLENS FALLS, N. Y.

The largest manufacturers of chemical pigment colors in America

Branch Offices and Warehouses:

Boston New York - Philadelphia - Cleveland Detroit - Cincinnati Pittsburgh Seattle - Chicago St. Louis San Francisco Baltimore Dallas Los Angeles - Louisville

PICCO PRODUCTS

PICCOUMARON RESINS
HIFLASH NAPHTHAS
HIGH SOLVENCY NAPHTHAS

NOW INCLUDE THE NEW NON-YELLOWING

PICCOLYTE RESIN

A Pure Hydrocarbon Thermoplastic Terpene Resin

ONLY PICCOLYTE CAN OFFER YOU

- Pale Color
- Excellent Solubility
- Neutrality to Pigments
- Compatibility with Oils and Resins
- Acid and Alkali Resistance
- High Melting Points
- No After Yellowing
- Reasonable Price

NO OTHER RESIN COMBINES THESE PROPERTIES

Samples and Quotations On Request

Now Available From Volume Production

Pennsylvania Industrial Chemical Corporation

CLAIRTON PENNSYLVANIA

Lacquer Sales Up

Sales of clear lacquers, pigmented lacquer bases and dopes, and thinners by 158 manufacturers, as reported to the Bureau of Census for 1940 and a comparison with 1939 were as follows:—

	1940.	1939.
Clear lacquers...gals.	11,343,308	10,476,186
value.	$15,354,328	$13,753,091
Pigmented lacquers.. gals.	12,912,860	10,716,227
value.	$28,842,508	$23,301,546
Lacquer bases and dopes .....gals.	2,547,021	2,271,615
value.	$2,757,340	$2,517,933
Lacquer thinners.gals.	21,165,940	19,318,403
value.	$14,319,653	$12 754,422
Totals .....gals.	47,969,129	42,782,431
value.	$81,273,829	$52,533,012

FOR GILSONITE SEE BARBER!

"Selects" and "Standard" grades. High and low melting points. Clean and uniform. Carload shipments available from Craig, Colorado, and Madison, Illinois. Convenient warehouses for less-than-carload shipments.

BARBER ASPHALT CORPORATION
BARBER, NEW JERSEY

Plastic Compound Made from Coffee

—*Continued from page 3*

tribute to a substantial lowering in over-all expenditure for the production of any plastic molding composition of which it is made a part.

As an individual entity in the plastics field, caffelite—a coordinate type of resin—is moldable at between 325 degrees and 350 degrees F. and under pressures ranging from 2,500 pounds to 5,000 pounds per square inch, with extrusion molding practicable at a somewhat lower temperature. Like the phenolic types its water-resistance is on the high side, electrical properties very good, and it shows quite comparable resistance to weak acids, alkalies, ketones, hydrocarbons, and flame conductivity.

A review of the growth of the plastics industry in the United States shows annual increases of almost unbelievable figures. In its October issue of last year *Fortune* referred to it as a $500,000,000-a-year business, and we do know from government figures that its production has doubled in tonnage in the last five years. The most urgent need at the present time is to provide a basic molding compound, low in cost, versatile in its application and available in economically unlimited quantities. The Caffelite Corporation has just announced a plan that will fit the above pattern through its recently consummated arrangement with the government of Brazil to carry through to completion three coffee-processing plants now under way in that country. The first unit, although called a "pilot plant," will process over 50,000 bags of coffee annually (about 6,500,000 pounds) and about six and a half million will start production in the early part of this year with the consummation of the final stages of the installation of machinery and equipment. A second unit, now two-thirds completed, will have a capacity of 1,000 bags a day, yielding numerous by-products of the coffee processing treatment.

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS

CUTS PAPER SHIPPING STENCILS

A. J. Bradley Mfg. Co.
101 Beekman Street New York

Caffeine, Oil By-Products

Among the latter may be mentioned caffeine, alphacellulose, furfural, synthetic resins, and lacquers, as well as a very useful coffee oil composed of a combination of the following fatty acids:—Palmitic, daturic, carnaubic, oleic, and linoleic.

Coffee oil is of a complex chemical structure, and while it has certain uses and equivalent commercial values similar to some of the other vegetable oils, it has distinctive chemical properties not found in any of them. It can be used as a base for cosmetics and soaps, and is applicable for use in the manufacture of lacquers, shoe polishes, insecticides, and other products,

A third and major unit is scheduled for completion next year and will have a processing capacity of 5,000,000 bags annually, or a total of 660,000,000 pounds of coffee. For an answer as to whether there will be available each year enough surplus coffee to furnish this amount of raw material for such a large converting plant, one need only refer to the quantities of coffee destroyed by Brazil under its annual "sacrifice quota" plan. This has totaled over 70,000,000 bags in the last ten years, and reached in one year as high an amount as 17,000,000 bags.

This colossal waste represents a monetary loss in the last decade of several hundred million dollars to the plantation owners and the Brazilian government. No wonder then that the immediate prospect of transforming this futile loss into a substantial profit was hailed with an ecstasy of joy, not only by the coffee growers of Brazil, but by the government itself.

Over a year ago a group of eminent Brazilian technicians was assigned to make exhaustive tests of the process and one of their committee subsequently carried on additional examinations in the United States. Their findings were so proof positive that the Brazilian government enthusiastically gave its endorsement and support to the foregoing three-unit plan of production.

In a time like this, when so much is being said about the need for a more equitable trade exchange of goods between the United States and South American countries—and Brazil in particular—the plans of the Caffelite Corporation, in cooperation with the Brazilian government, take on an added significance and will supply one important link in the chain which both countries are forging in the development of a permanent "Good Neighbor Policy."

In addition to H. S. Polin, the inventor of the coffee conversion process, the executive officers of the Caffelite Corporation are Albert Gray, Allan J. McIntosh, and George C. Osborn. This company maintains executive offices in the Chrysler building, New York, and is affiliated with the Coffee X Corporation and the H. S. Polin Laboratories, with headquarters in the Chrysler building, a research laboratory in the Chemists' building, and an associate laboratory in Rio de Janeiro.

S. C. Johnson & Son, Inc., manufacturer of industrial finishes, Racine, Wis., plans construction of a new plant at Racine for the production of its "Glo-Coat."

RAYOX—Pure Titanium Dioxide
RAYCAL—Titanium Calcium Pigment
SURFEX—Surface-Treated Calcium Carbonate
DURITE—Pure Phenolic Resin
PEERLESS CLAY—Domestic China Clay

★ *Write for Samples*

RAYBAR—Titanium Barium Pigment
RAYSIL—Titanium Silicate Pigment
PYRAX—Ground Pyrophyllite
MULTIFEX—Colloidal Calcium Carbonate
THERMATOMIC BLACKS—Carbon Blacks of Low Oil Absorption

EACH PRODUCT IS OF THE HIGHEST QUALITY IN ITS CLASS

R. T. VANDERBILT CO., INC. · 230 PARK AVE. · NEW YORK

Oils, Fats, and Waxes

Sales of Tallow at a Decline—Greases Also Shaded—Cottonseed Oil Futures Lower with Lard—Fish Oils Advanced —Copra and Coconut Oil Firm—Trade Quiet

Business in miscellaneous oils, fats and greases was quieter last week. Sellers in some cases were well employed with deliveries on contracts previously placed but the volume of new orders received was smaller than in recent preceding weeks, not a few consumers being disposed to curtail purchases after the recent sharp advance in prices. A setback in cottonseed oil and lard futures also had a tendency to make buyers of other fats and oils hold off for a time, and the same was apparently true of more or less disturbing news from abroad concerning the war as well as uncertainty in regard to tax and other legislation at Washington. On the other hand, offerings of many products were light throughout the week and the prevailing tone was steady or firm, the trend of quotations still being upward.

A rather unexpected development in the way of price changes was a decline in tallow and grease, due to some increase in offerings. Weakness in lard futures was attributed mainly to a reactionary tendency at times in the Chicago market for live hogs. A further advance in local refined fish oil prices was a reflection of the strength of crude in primary markets.

Price Changes

Advanced

Cottonseed oil, edible, ¼c. per lb.
Lard oil, ⅛c. to ¼c. per lb.
Menhaden oil, refined, 3-10c. per lb.
Neatsfoot oil, ¼c. per lb.
Sardine oil, refined, 3-10c. per lb.
Tallow oil, ¼c. per lb.

Reduced

Cottonseed oil, crude, ¼c. per lb.
Grease, ⅛c. to ¼c. per lb.
Tallow, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
118.2	**116.8**	**100.4**	**106.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Castor, Dehydrated.—Production is moving steadily into local and other consuming channels. Market firm.

Chinawood.—Inquiries received more numerously in some local quarters. Shipment offerings reported light here and on Coast. Primary situation firm. Domestic quotations maintained.

Coconut.—Crude and refined prices unchanged. Tone firm. Fair inquiry. Copra offerings still reported very light.

Corn.—Frequent inquiries for crude. Offerings light and quotations nominal. Refined fairly active and firm.

Cottonseed.—Edible oil advanced ¼c. Increased movement of moderate lots.

Oiticica.—Fairly active inquiry. Supplies light on spot, and tone firm.

Olive.—Offerings light in all instances and quotations generally nominal. Inquiries received more numerously.

Peanut.—Quotations underwent little change. Figures mainly nominal in absence of increased offerings. Trade quieter.

Perilla.—Quiet and steady. Offerings light, spot and future.

Soybean.—Reports of rather liberal sales of crude early in week at concessions of ⅛c. to ¼c. Prices apparently maintained by most sellers.

There was no trading in soybean oil futures on the New York Produce Exchange, from January 25 to January 31, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	...	...	5.25@5.70
July	...	...	5.30 nom.

Markets at Other Centers

San Francisco, Jan. 28.—Vegetable oil demand along more conservative lines.

COCONUT.—Sales at 3c. per pound, tankcars, f.o.b. Pacific Coast ports and/or mills; 3⅛c. now asked. Copra 1.30c.

CHINAWOOD.—Government inquiries present. Quoted 26c. per pound, tankcars, f.o.b. San Francisco.

BABASSU.—Quoted 5⅞c. to 6c. per pound in tankcars.

COTTONSEED. — Domestic bleachable oil 6½c. per pound, tankcars, f.o.b. northern California mills.

RAPESEED.—Japanese oil, denatured, refined, 8c. per pound, tankcars, f.o.b. San Francisco, April shipment from Coast.

Chicago, Jan. 31. — Vegetable oils quieter.

COCONUT.—Edible, 7¼c. to 7½c. per pound, drums, car lots; 7¾c. to 8c., less car lots.

CORN.—Crude, low acid, 6½c. to 6¾c. per pound. Refined, edible oil, 8c. to 8¼c. per pound, drums, car lots.

SOYBEAN.—Crude, 5½c. to 5½c per pound.

The market for soybeans on the Chicago Board of Trade was quiet and easy. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing— Jan. 31.	Jan. 24.
Cash	$1.01½	$0.99	$0.99	$1.01
May	.98½	.93¼	.95¼	.97⅝
July	.94½	.96⅝	.91⅞	.94½

Linseed Oil

Flaxseed easier in domestic markets. Buenos Aires steady. Linseed oil unchanged. Meal easier.

Flaxseed—DULUTH, Jan. 31.—Flax demands were irregular and the cash basis was lowered a cent a bushel, to 2c. to 6c. over Minneapolis May. Supplies increased 17,000 bushels to 249,000 bushels; year ago 50,000 bushels.

The week's closing price range was as follows:—

	Cash.	May.
Saturday	$1.83	$1.77½
Monday	1.82	1.77½
Tuesday	1.81	1.74½
Wednesday	1.76½	1.70½
Thursday	1.74¾	1.69¼
Friday	1.74¼	1.69½

Crop movement in bushels follows:—

	Receipts— 1941.	1940.	Shipments— 1941.	1940.
This week	27,609	2,014	.....	18,182
Since Aug. 1	5,996,652	4,371,235	4,354,836	3,950,850

MINNEAPOLIS, Jan. 31.—Demand for diversion point flaxseed perked up quite a bit this week and currently all of the northern seed is moving to the head of the lakes for shipment at the opening of navigation. Some of the crushers had hoped to be able to get Argentine seed but now are concentrating on domestic supplies for their requirements of early spring.

It is claimed that about 85 percent of the stored flax has been cleaned up and if this is so competition for country run offers is apt to become a bit more aggressive in the future, especially if eastern crushers decide that they must use more domestic seed than they planned on.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.83	$1.77	$1.74½
Monday	1.82	1.76	1.73½
Tuesday	1.81	1.75	1.71½
Wednesday	1.76½	1.70½	1.67¾
Thursday	1.74¾	1.69¾	1.66¾
Friday	1.74¼	1.69¼	1.66¼

Crop movement in bushels follows:—

	Receipts— 1941.	1940.	Shipments— 1941.	1940.
This week	86,800	39,200	5,600	33,600
Since Sept. 1	8,402,800	2,781,000	1,367,000	1,689,830

WINNIPEG, Jan. 31.—The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$1.56¼	$1.59	$1.57
Monday	1.57⅝	1.60½	1.58⅝
Tuesday	1.55⅝	1.58½	1.56⅝
Wednesday	1.50⅜	1.53½	1.51⅝
Thursday	1.49¼	1.52	1.49¾
Friday	1.47⅜	1.50⅝	1.48⅝

BUENOS AIRES, Jan. 31.—Flaxseed, April, 70½c. per bushel. Exports this week 594,000 bushels, all to United States. Total since January 1, as follows:—

To—	Bushels— This year.	Last year.
United States	1,224,000	1,713,000
United Kingdom	279,000	1,778,000
Continent	4,000	2,500,000
Orders	.....	598,000
Others	129,000	51,000
Totals	1,636,000	6,640,000

Visible Supply

	Bushels.
Last week	4,331,000
Previous week	4,331,000
Last year	3,543,000

Linseed Oil.—The trend of flaxseed prices in domestic markets was downward at times but Buenos Aires ruled steady and local linseed oil quotations were maintained by crushers at the levels prevailing in the previous week. Business was quieter, weakness in the markets for securities and various speculative commodities as well as disturbing political developments abroad and in this country making consumers disposed to hold off for further developments. The movement on contracts was steady and liberal, however, and the output at the mills here and in other parts of the country was apparently shipped out promptly. The second official estimate of the flaxseed crop in Argentina put it at 61,693,000 bushels which points to an exportable surplus for the season of 54,000,000 bushels. The first official estimate of the crop in Argentina was 78,740,000 bushels.

MINNEAPOLIS, Jan. 31.—Linseed oil very quiet. Consumption is much heavier than usual.

Quotations, carload lots, f.o.b. Minneapolis, tankcars, 9c. per pound; cooperage, cars, 9.7c.; warehouse lots, 10.1c.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	3,100,000	2,280,000
Since Sept. 1	71,830,000	65,740,000

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID

Single Pressed and Double Pressed

Available in either cake or flake form

Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)

RUBY OLEINE BRAND *(distilled)*
STAR BRAND *(saponified)*
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)

PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
220 East 42nd St., New York City
Branches and stocks in all large cities

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

QUALITY SERVICE
Manufacturers Since 1837

STEARIC ACID
Saponified and Distilled
Single, Double and Triple Pressed
Cake, Flake and Powdered

OLEIC ACID
Saponified and Distilled
Light Color, Various Titres,
Barrels, Drums and Tankcars

WHITE OLEINE
U. S. P. Specifications Guaranteed

CRUDE GLYCERINE 88%
TALLOW FATTY ACIDS
WHITE PALM OIL FATTY ACIDS

A. GROSS & CO.
Sales Office: 122 East 42nd St., New York, N. Y.
FACTORY: NEWARK, N. J.

SAN FRANCISCO, Jan. 31.—Linseed oil firm but business slow. Quoted:—Tankcars, 9.2c. per pound; drum car lots, ex-mill, 9.9c.; drum lots, ex-warehouse, 10.3c.

Cake and Meal. — Meal was fairly active, sales being reported at $24.50 per ton for February-March shipment. Cake nominal.

MINNEAPOLIS, Jan. 31.—Crushers are rushed with shipping instructions for meal and have virtually nothing to offer for nearby shipment. Scattered sales for March shipment.

Quotations, carload lots, f.o.b. Minneapolis, 100-pound sacks, $29 to $29.50 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	9,110,000	3,000,000
Since Sept. 1	184,701,000	103,220,000

Cottonseed Oil

Refined cottonseed oil futures had a downward trend. Southern markets for crude oil were easier.

YOUR INQUIRIES SOLICITED FOR THESE MATERIALS

FATTY ACIDS
(ANIMAL AND VEGETABLE ORIGIN)

STEARIC ACID

RED OIL
(OLEIC ACID)

WILSON & CO. INC.
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

Cottonseed Oil.—The trend of refined cottonseed oil futures was downward in the main last week, although there was more or less irregularity at times. Developments in outside markets were of a kind to create bearish sentiment, however, and there was more disposition among local and other traders to sell than there was to buy. The drift of live hog prices in the West was downward at times and the feeling in provision trade circles in Chicago appeared for the time being at least to be rather more bearish.

Crude cottonseed oil was easier in parts of the South with transactions on a small scale, although this appeared to be due in some measure to the lightness of offerings, rather than to a lack of buying interest. Soybeans continued to display weakness in the Chicago market and there were reports of sales of soybean oil at further concessions. Sales of tallow and grease were noted at a decline. Copra and coconut oil remained firm.

The weight of the hogs received in Chicago during the week ended January 25 averaged 240 pounds, against 237 pounds in the previous week. Stocks of lard in storage in the United States January 1 were 286,773,000 pounds, against 232,472,000 pounds a month earlier and 162,105,000 pounds a year ago. Exports of lard from Atlantic and Gulf ports to all foreign destinations from November 1 last to January 25 this year were only 1,672,000 pounds, or nearly 20,000,000 pounds less than in the same time last season.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from January 25 to January 31, inclusive, comprised 582 contracts, a total of 34,920,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
March	6.64	6.32	6.40@6.42
May	6.70	6.40	6.49@6.51
July	6.80	6.51	6.60 sale
September	6.80	6.55	6.65@6.66

Crude. Southeast, .05¾c. Nom.

Chicago, Jan. 31.—Cottonseed oil fairly active. Refined, edible oil is 7½c. to 8c. per pound, drums, car lots; 8¼c. to 8½c., less car lots.

Cake and Meal.—Spot quotations were apparently maintained as a rule although offerings of futures were reported in some sections at concessions.

Markets at Other Centers

Atlanta, Jan. 29.—Cottonseed meal for February is quoted at $28.50 to $29 per ton. Prime crude oil 5⅜c. The market is sluggish.

Memphis, Jan. 30.—Crude cottonseed oil quiet. Last sales at 5⅜c. per pound, Valley basis. Buyers and sellers indifferent. Meal, 41 percent, $26.50 per ton, Memphis basis. Cake $24 per ton, Valley basis. Hulls $5.50 per ton, mill points. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Jan. 23.	Jan. 30.
March	$26.00@26.25	$24.65@24.85
May	25.60@25.95	24.35@24.60
July	25.40@25.60	24.10@24.30
September	24.50@25.50	23.50@23.75
October	—@—	23.35@23.70

Closing soybean meal futures:—

March	$24.25@24.50	$22.65@23.00
May	24.30@24.50	22.60@23.00
July	24.00@24.25	22.50@22.85
October	—@—	21.50@22.10

Fatty Acids

Caprie Acid.—Fair movement of moderate lots to local and other consumers. Market steady.

Castor Oil.—Quotations maintained. Tone firm. Business fairly active.

Coconut Oil.—Firm with basic material. Increased request for moderate lots.

Cottonseed Oil.—Steady contract movement. New business quieter. Quotations stationary.

Lauric Acid.—Purchases generally conservative. Market tone firm.

Red Oil.—Steady movement on contracts and transient orders. Prices steady.

Soybean Oil.—Increased movement to local and other consumers. Prices maintained.

Stearic Acid.—Steady movement on contracts and new orders. Raw material easier.

Chicago—Jan. 31

Fatty acids have been moving well.

RED OIL.—Distilled or saponified tanks, 6¾c. per pound.

STEARIC ACID.—Distilled, single press, 9½c. to 10½c. per pound; double press, 10c. to 11c.; triple press, 12¾c. to 13¾c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 8¼c. to 8½c. per pound; tankcar; coconut oil, acidulated, 9¼c. to 9½c. per pound, tankcar; settled cottonseed soap stock, 60-62 percent basis, 2½c. to 2¾c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

Fish Oils

Menhaden.—Refined oil quotations advanced three points. Somewhat better demand.

Sardine.—Strength of crude reflected in refined. Latter up three points.

Sperm.—Firm at recent advance. Fair movement of moderate lots.

Whale.—Fair jobbing demand. Market steady. Production in Norway in 1939-40 season 909,298 barrels; previous season 721,329.

Markets at Other Centers

San Francisco, Jan. 31.—Marketing conditions remained very tight and no further sales of sardine oil were traced, but the bid basis rose to 42c. per gallon, while such sellers as were giving a thought to the market felt they could not counter below 43c.

Production better in Southern district, where 14,802 tons were turned in. In the North, Monterey turned in 6,383 tons and San Francisco Bay 2,027 tons. Seasonal tonnage of sardines turned in at all districts so far, 377,091 tons, against 476,652 tons last year.

Baltimore, Jan. 29.—North Carolina menhaden boats continue to report very poor catches. Holders of the small supplies of crude oil are reported to have turned down bids of 35c. per gallon.

Fats and Greases

Grease.—Easier with tallow. Quotations ⅛c. to ¼c. lower. Sales of house reported at 4¾c.

CHICAGO, Jan. 31.—Choice white grease, 4¾c. to 5c. per pound; yellow, 4¼c. to 4½c.

Lard.—Local market quiet. Price movements moderate. Sales reported in West for export to Switzerland.

CHICAGO, Jan. 31.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing Jan. 31.	Closing Jan. 24.
Cash	$5.32	$5.10	$5.20	$5.30
May	6.82	6.52	6.57	6.80
July	7.00	6.67	6.75	6.97

Stearin.—Local prices maintained. Tone steady. Fair demand.

CHICAGO, Jan. 31.—Prime oleo stearin, 6c. to 6¼c. per pound.

Tallow.—Offerings somewhat freer. Tone easier. Sales of extra at 5c., a decline of ¼c.

CHICAGO, Jan. 31.—Prime inedible tallow, 4⅞c. to 5⅛c.; special, 4½c. to 4⅝c.

There was no trading in tallow futures (new contracts) on the New York Produce Exchange from January 25 to January 31, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
May	...	...	4.90@5.20
July	...	...	4.95@5.30

Animal Oils

Degras.—Quotations generally stationary. Tone steady. Increase noted in request for crude and neutral.

Lard.—Firmer with raw material. Quotations generally ⅛c. to ¼c. higher. Trade fair.

CHICAGO, Jan. 31.—No. 1 lard oil, 7¾c. to 8c. per pound.

Neatsfoot.—Trade better, domestic and export. Some grades ¼c. higher.

Oleo.—Increased sales to local and outside consumers. Market firm.

CHICAGO, Jan. 31.—Extra oleo oil, 7c. to 7½c. per pound.

Tallow.—Quotations advanced ¼c. Demand fair.

CHICAGO, Jan. 31.—Acidless tallow oil, 7¼c. to 7½c. per pound.

Waxes

Bees. — Higher prices for white bleached wax appeared due. Result of substantially strong position, crude wax. Market, bleached material, may be around 39c. or 40c. per pound. Schedule will appear on page 2 if ready before press time.

Candelilla.—Very firm undertones. Demand active due to strong position and scarcity of carnauba. Price tendency upward.

Carnauba.—Brazil continued strong. Sellers displayed reserve and independence. United States sole potential market. Lack of other sales outlets fails to turn values in favor of importers here. Spot stocks very small. Prices practically nominal.

Japan.—Firm. Fair activity. No surplus of stock likely in near future.

Hissenhoven to Manage International Commerce Inst.

Paul Van Hissenhoven, of Brussels, Belgium, has been appointed provisional administrator of the International Institute of Commerce with headquarters in the Palais D'Egmont, that city. Leon Hennebicq, formerly president of the institute, died May 5, 1940. Under the institute's constitution the committee of control should have designated a new president. Inability of the committee to convene led competant authorities to name the provisional administrator.

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
Woolworth Building
New York, N. Y.
SPOT FUTURE

For the Pharmacist as a Tablet Lubricant
STEROTEX
For the Ceramic Manufacturer as a Pressed Lubricant and Binder
Samples and prices on application
THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio

THE BRODÉ CORPORATION
MEMPHIS, TENNESSEE
Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
Members—Memphis Merchants Exchange (Futures in Cottonseed Meal)
New York Produce Exchange (Futures in Cottonseed Oil)
District Representatives
JAMES LOVATELLI & CO., 2 Broadway, New York City
Codes: Yoppa, Robinsons, Bentleys, A. B. C., 5th Edition Peerless

EMERY
America's largest producers of
STEARIC and OLEIC ACIDS
All Grades Saponified and Distilled
FATTY ACIDS • GLYCERINE • PITCH
SPECIAL FATTY ACID DERIVATIVES
Since 1849
EMERY INDUSTRIES, INC.
Originators of Twitchell Process
New York CINCINNATI, OHIO Lowell, Mass.
Stocks in all Principal Cities

SUN BLEACHED
Beehive Brand BEESWAX
• Finest Quality
• Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E 2 Syracuse, N. Y.
Established 1855
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid
WARRANTED PURE BEES WAX

The best that can be produced. It is 100% PURE BEESWAX and measures up to all the requirements of the U. S. P.
SPECIFY TL BRAND
BEESWAX
THEODOR LEONHARD WAX CO., INC. (Dept. A)
Haledon ESTABLISHED 1852 Paterson, N. J.

U.S.P. Vitamin D Units Not Applicable to Poultry

OPD Washington Bureau
January 29, 1941

A warning to distributors of vitamin D poultry preparations that U.S.P. units are not a proper description of the anti-rachitic value of many such preparations was issued today by the Food and Drug Administration. The notice, pointing out the variations in the biological availability to the chick of different forms of vitamin D, says:—

An article which may be used as a source of vitamin D for poultry or an ingredient which may be used to increase the vitamin D content of such a product, labeled only in terms of U.S.P. units, may be misbranded under the food, drug, and cosmetic act for failure to reveal facts material in the light of such a representation, in accordance with section 201(n), if the article does not supply the same number of A.O.A.C. units as U.S.P. units in a given quantity of material.

The label of such a product should reveal the fact that the declaration of the vitamin D potency in terms of U.S.P. units is not a reliable index to its anti-rachitic value for the chick. This may be accomplished by a label statement in connection with the potency declaration to the effect that the vitamin D in the article is in whole or in part unavailable to the chick, or by an additional potency declaration in terms of A.O.A.C. units.

Margarin Production Limited in Belgium

It is estimated that the supply of raw materials on hand for the manufacture of margarin in Belgium is sufficient to last until next March or April, according to the Department of Commerce. The sale of edible oils is prohibited, and all stocks available are to be used in the manufacture of margarin, it is stated. The combined output of the 21 plants in the country engaged in the manufacture of margarin has been officially limited to 3,200,000 kilograms per month. The population of the country being, roughly, 8,000,000, the present ration has been fixed at 100 grams per person per month.

Spain Investigates Filbert Oil Possibilities

The shortage of edible oils in Spain has resulted in the rationing of olive oil at infrequent intervals and in unsatisfactorily small quantities, according to the Department of Commerce. It would appear, it is reported, that a practically unlimited demand for edible filbert and almond oils is evident in the domestic market, although the fixed price exceeds that for olive oil. Filberts produce approximately sixty percent of their weight in oil, similar to olive oil, for which it is used as a substitute by many consumers in Spain.

Soybean Oil Output Down

Soybean oil production during the fourth quarter of 1940 amounted to 156,193,000 pounds, compared with 156,247,000 pounds in the 1939 period, according to data issued by the Bureau of Census. Information as to soybean crushing during the quarter ending December 31, 1940, and the same period during 1939 is shown in the following table:—

	1940.	1939.
Mills crushing soybeans	70	70
Soybeans crushed (tons)	528,829	510,065
Soybean oil produced (000 lbs.)	156,193	156,247
Stocks of soybeans at mills Dec. 31 (tons)	382,737	608,313
Stocks of soybeans oil at mills Dec. 31 (000 lbs.)	84,384	19,458

Total 1940 production of crude soybean oil was 536,985,751 pounds, compared with 449,806,623 pounds in 1939.

Fichtner Heads Economy Unit of Commerce Dept.

OPD Washington Bureau
January 28, 1941

Charles C. Fichtner, dean of the University of Arkansas School of Business Administration, has been named chief of the division of regional economy of the Department of Commerce. Dean Fichtner is president of the National Association of State University Schools of Business, which for several months has been engaged in aiding business men obtain facts and counsel developed by the Commerce Department.

Drug Industry Wage Rate Of 40c. Is Recommended

—Continued from page 5

sist the committee the administrator appointed a staff consisting of Burton E. Oppenheim, director of the industry committee branch, Spencer W. Pitts, assistant solicitor of the department, Mark Merrell, senior industry committee advisor, and Sidney Sufrin of the Bureau of Labor Statistics.

The committee decided to hold an open meeting, but the only persons who asked to be heard were Samuel E. Hill, research assistant of the American Federation of Labor, and A. J. Caldwell, of the Lightfoot Schultz Company, Hoboken, N. J. Most of the discussion was an analysis of the statistical material before the committee.

Mr. Caldwell announced that the toilet preparations section of the industry had intended to ask for a separate industry committee, but this request was dropped after discussion brought out the fact that the committee could recommend different minima for various sections of the industry if the facts warranted.

Anesthetic Gas Cylinder Color Marking Approved

The recently proposed simplified practice recommendation on color marking for anesthetic gas cylinders has been accorded the required degree of acceptance by those interested, and has been approved for promulgation, according to the Division of Simplified Practice, National Bureau of Standards. The recommendation will be identified as simplified practice recommendation R176-41.

This recommendation originated with the American Society of Anesthetists, and the committee on simplification and standardization of hospital furnishings, supplies and equipment of the American Hospital Association, and has undergone some modification at the suggestion of the medical gases committee of the Compressed Gas Manufacturers Association and others. Color marking is provided for six medical gases and two mixtures commonly used for anesthesia. The color markings are recommended to be applied to the shoulders of containers so as to be clearly visible from above, and apply only to small cylinders used on anesthesia machines.

Edward McKendrew Elected Commodity Exchange Head

Edward L. McKendrew, vice-president of Armand Schmoll, Inc., has been elected president of the New York Commodity Exchange. He succeeds Charles Slaughter. Other officers elected were:—Vice-presidents, M. R. Katzenburg, M. H. Wehncke, Philip B. Weld, Douglas Walker, and Mr. Slaughter; treasurer, Floyd Y. Keeler.

Standard Brands Names Henke General Sales Head

Harry Henke has been appointed vice-president and general sales manager of Standard Brands, Inc., this city. Mr. Henke has been with the company since 1908 and for the last ten years has been president of Standard Brands of California, a subsidiary. His headquarters will be moved from San Francisco to the executive offices in this city. Mr. Henke has also been elected a director, succeeding Jay Holmes, resigned.

Linseed Oil Output Larger

There were twenty-nine mills in the United States which crushed flaxseed during the quarter ending December 31, 1940, according to the Bureau of Census. Data covering operations of these mills, with comparisons for earlier years are shown in the following table:—

	1940.	1939.
Mills crushing flaxseed	29	24
Flaxseed crushed (tons)	282,311	244,597
Linseed oil produced (000 lbs.)	192,185	166,150
Stocks of flax at mills Dec. 31 (tons)	198,145	136,241
Stocks of linseed oil at mills Dec. 31 (000 lbs.)	110,198	105,783

Total 1940 production of linseed oil was 606,153,479 pounds, compared with 564,507,734 pounds in 1939.

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

Fully protected by Copyright

Three-hundred-sixty-third Instalment

Petroleum

Stabilizers for Inhibiting Formation of Gums, Resins, or Sludges in Petroleum Products

(Continued from January 27 issue)

Condensation product of chlorinated paraffin and naphthols or polyhydroxybenzines in the presence of a Friedel-Crafts catalyst
Cresylphenyl-cadmium
Cresylphenyl-mercury
Cresylphenyl-stibine
Cresylphenyl-thallium
Cresylphenyl-zinc
Cresylphenyl-zinc sulphide
Diacetylethylenediamine
Diaryl thioether
Dibenzylparaphenylenediamine
Dibetanaphthol thioether
Dibutylbenzidin
Dichlororetene
Dicresol thioether
Dihydroxyanisole
4:4′-Dihydroxydiphenyl thioether
2:2′-Dihydroxy-(5:5′-ditertiary-butyl)-diphenyl thioether
1:2-Dihydroxynaphthalene
1:4-Dihydroxynaphthalene
1:5-Dihydroxynaphthalene
1:7-Dihydroxynaphthalene
2:3-Dihydroxynaphthalene
Dimethylanilin
2:4-Dimethylphenylarsin oxide
Dinaphthylene dioxide
Dinaphthylene oxide
Dinitroresorcinol
Diphenylamine
Diphenylchloroarsin
Diphenylmetyl-aluminum
Diphenylmetyl-bismuthine
Diphenylmetyl-cadmium
Diphenylmetyl-mercury
Diphenylmethyl-stibine
Diphenylmethyl-thallium
Diphenylmethyl-zinc
Ditolyl-mercury
Ditolyl-mercury sulphide
Ethylbenzoylhydroquinone
Ethylbenzoylphoroglucinol
Ethyloxyphenylparabutylamine
Formylphenylhydrazin
Furmunramide
Heptylhydroquinone
Heptylphloroglucinol
Heptylpyrogallol
Heptylresorcinol
Hexylresorcinol
Hydroquinone
Hydroxymethylanethol
Mercury phenylacetate
Mesodibutylacridin
Mesodiphenylacridin
Metadibenzylaminophenol
Metaphenylenediamine
Metasap base 532
Methylformamide
Monobenzylparaaminophenol
Mono-substituted-para-aminophenols
Naphthoxybenzylbutylamine
Naphthylalphapropylaluminum
Naphthylalphapropylbismuthine
Naphthylalphapropylthallium
Naphthylalphapropylzinc
Napthyl-mercury iodide
Naphthyl-mercury sulphide
Nicotine pyrogallate
1:2-Nitrosonaphthol
1:4-Nitrosonaphthol
1:5-Nitrosonaphthol
1:8-Nitrosonaphthol
2:1-Nitrosonaphthol
1:4-Nitrosonaphthylamine
5:2-Nitrosonaphthylamine
Oleylhydroquinone
Oleylphloroglucinol
Oleylpyrocatechol
Oleyl pyrogallol
Oleylresorcinol
Orthobenzylmethylaminophenol
Orthocresol
Orthodibenzylaminophenol
Palmitylhyroquinone
Palmitylphloroglucinol
Palmitylpyrogallol
Palmitylresorcinol
Para-aminolimethylanilin
Para-aminomonomethylanilin
Parabenzilideneaminophenol
Parabenzylmethylaminophenol
Paracinnamylideneaminophenol
Paracresol
Paracyclohexylphenol
Paradibenzylaminophenol
Paradimethylanophenylnaphthyl ether
Paradimethylaminophenylnaphthyl telluride
Paraethoxyphenylarsin oxide
Paranitrosodimethylanilin
Paranitrosophenol
Paraorthochlorobenzylideneaminophenol
Paraprenylenediamine
Paratolyloxyphenylisopropylnitrosoamine
Phenol
Phenylacetylhydroquinone
Phthalamide
Phthalimide
Polyphenols
Propenylguaethol
Propionylphloroglucinol
Propionylpyrogallol
Propionylresorcinol
Pyrogallol
Pyrogallol dimethylether
Resorcinol
Resorcinol monoethylether
Salicylamide
Sodium 2-phenylbenziminazolesulphonate
Stearylphloroglucinol
Stearylpyrocatechol
Stearylpyrogallol
Stearylresorcinol
Thallium phenylacetate
Tin oleate
Toluylhydroquinone
Toluylphloroglucinol
Tolylacetylhydroquinone
Tolylresorcinol
Triphenyl-aluminum
Triphenyl-bismutine
Triphenyl-cadmium
Triphenyl-mercury
Triphenyl-stibine
Tripheny-thallium
Triphenyl-zinc
Valerylhydroquinone
Valerylpyrocatechol
Valerylpyrogallol
Valerylresorcinol
Zinc phenylacetate

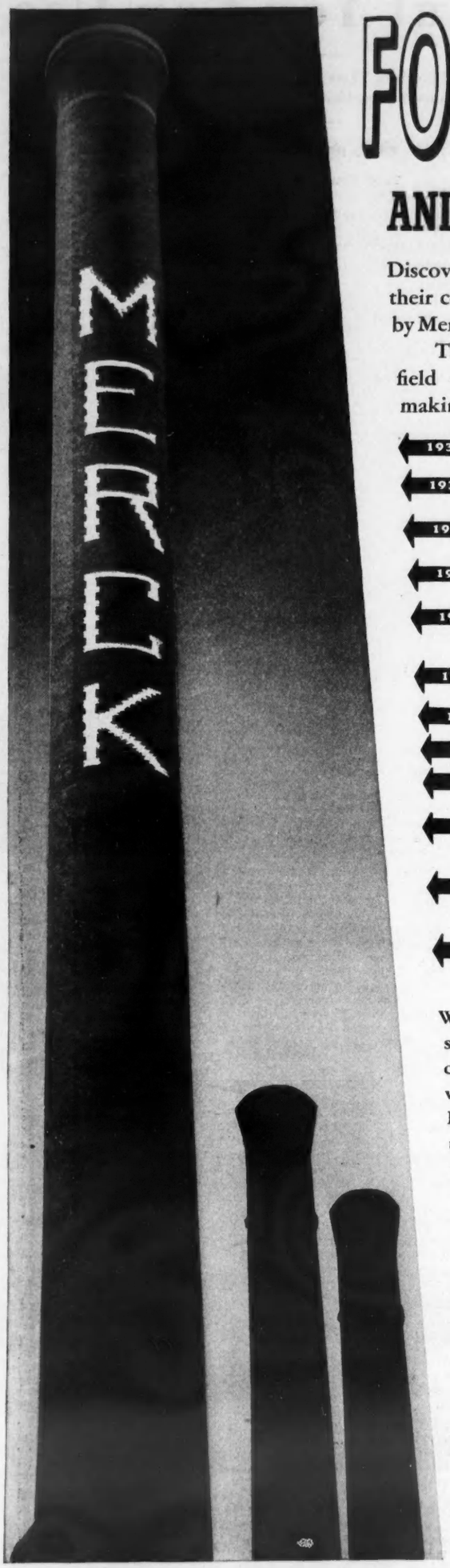
Thickeners for Petroleum Products

Aluminum oleate
Aluminum palmitate
Aluminum stearate
Ammonium linoleate
Ammonium oleate
Ammonium palmitate
Ammonium stearate
Metallic oleates, palmitates, stearates
Metasaps
Palmitic acid
Propylene stearate
Sodium palmitate
Sodium stearrate
Stearic acid
Zinc oleate
Zinc palmitate
Zinc stearate

Addition Agents in Petroleum Lubricants

Aluminum dinaphthylnaphthenate
Aluminum oleate
Aluminum phenylacetate
Amyl dichlorostearate
Anilin thiocyanate
Antimony dinaphthylnaphthenate
Antimony phenylacetate
Bismuth phenylacetate
Butyl dichlorostearate
Cadmium dinaphthylnaphthenate
Cadmium phenylacetate
Calcium dinaphthylnaphthenate
Cetyl betagammadihydroxypropylsulphide
Chlorinated diphenyl
Chlorinated diphenylene oxide
Chlorinated esters
Chlorinated fatty acids
Chlorinated paraffin
Chlorinated or sulphur chlorinated amides of fatty acids
Chlorine compounds
Chlorine with lead soaps
Chloro derivatives of retene
Chloroethylchloroethoxyethyl ether
Corn oil, sulphurized
Cottonseed oil, sulphurized
Cresylphenyl-aluminum
Cresylphenyl-bismuthine
Cresylphenyl-cadmium
Cresylphenyl-mercury
Cresylphenyl-stibine
Cresylphenyl-thallium
Cresylphenyl-zinc
Cresylphenyl-zinc sulphide
Decyl dichlorostearate
Diethyl-zinc
Diphenylchloroarsin
Diphenylene oxide
Diphenylmethyl-aluminum
Diphenylmethyl-bismuthine
Diphenylmethyl-cadmium
Diphenylmethyl-mercury
Diphenylmethyl-stibine

(To be continued)



FOREMOST IN THE SYNTHESIS AND PRODUCTION OF PURE VITAMINS

Discoveries and advances in the vitamin field made by Merck Chemists and their collaborators have continually emphasized the outstanding rôle played by Merck & Co. Inc. in the development of this therapeutically important line.

The following historical review of recent advances in the vitamin field dramatically portrays the contributions of Merck & Co. Inc. in making available many of these essential factors in pure form:

1934 *Ascorbic Acid Merck (U.S.P.) was made available by Merck & Co. Inc.*

1936 *Vitamin B_1 was synthesized in the Merck Research Laboratories.*

1937 *Vitamin B_1 Crystals Merck (Thiamine Hydrochloride U.S.P.) was made available in commercial quantities.*

1938 *Nicotinic Acid Merck (U.S.P.) became commercially available.*

1938 *Riboflavin Merck was the second pure crystalline vitamin to reach commercial production during that year.*

1938 *Alpha-Tocopherol (Vitamin E) was identified and synthesized by Merck chemists and their collaborators in other laboratories.*

1939 *Vitamin B_6 was synthesized in the Merck Research Laboratories.*

1940 *Vitamin B_6 Hydrochloride Merck became available in commercial quantities.*

1940 *Alpha-Tocopherol Merck (Vitamin E) was made commercially available.*

1940 *2-Methyl-Naphthoquinone Merck, a pure chemical having marked Vitamin K activity, became available in commercial quantities.*

1940 *Pantothenic Acid, the most recently synthesized member of the Vitamin B Complex, was identified and synthesized by Merck chemists and their collaborators.*

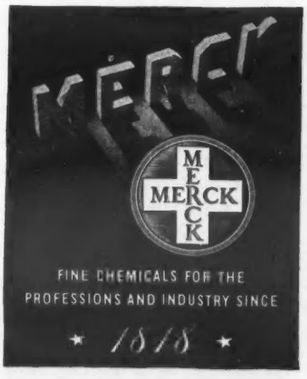
1940 *Calcium Pantothenate Dextrorotatory (d-Calcium Pantothenate), the physiologically active form of Pantothenic Acid, was made commercially available by Merck & Co. Inc.*

With vitamins commercially available as pure substances, it is now possible for the pharmaceutical manufacturer to formulate desirable vitamin combinations with consummate ease. By using these pure chemicals of known and uniform potency, the manufacturer can readily adjust the proportions of the individual vitamins to the particular requirements of his own products.

Through institutional advertising in leading medical journals, exhibits at important medical meetings, and by the distribution of factual and up-to-date descriptive literature, Merck & Co. Inc. is constantly bringing the uses and advantages of vitamins to the attention of the medical profession for the benefit of pharmaceutical manufacturers who make dependable vitamin preparations. *The Merck technical staff and laboratories are prepared to serve customers in manufacturing problems involving pure vitamins. We invite you to write us.*

MERCK
VITAMIN PRODUCTS

Vitamin B_1 Crystals Merck (Thiamine Hydrochloride U. S. P.)
Ascorbic Acid Merck (U. S. P.)
Riboflavin Merck
Nicotinic Acid Merck (U. S. P.)
Nicotinamide Merck
Vitamin B_6 Hydrochloride Merck (Pyridoxine Hydrochloride)
d-Calcium Pantothenate Merck
2-Methyl-Naphthoquinone Merck (Vitamin K Active)
Alpha-Tocopherol Merck (Vitamin E)



MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**
NEW YORK · PHILADELPHIA · ST. LOUIS · *In Canada:* MERCK & CO. Ltd., MONTREAL AND TORONTO

Drugs, Fine Chemicals

Quicksilver Higher as Production Drops in West — Menthol Shows Marked Upward Tendency — Blackstrap Molasses Higher at Gulf Ports — Halibut Liver Oil Firm

Activity in seasonal items kept the market for drugs and fine chemicals busy throughout the past week. The common cold and the influenza were motive forces behind the increased consumption of seasonal materials. Weather conditions have given rise to more than the usual infections incident to the Winter season and public health reports indicate that the influenza cases are still rising.

Other activity in the market was of satisfactory volume. Scarcity of numerous minor alkaloids was unrelieved and they sold in a purely sellers' market. Alcohol consumption was noted rising and a higher price level would cause no surprise. Especially in view of the higher prices being paid for raw material at Gulf ports, the tendency of all alcohol prices was upward.

Quicksilver production in the Far West was reported smaller because of prolonged rains. The spot price for the metal worked conservatively higher and mecurials were correspondingly firmer. All tartar products were strong. High cost of raw material available in much less than normal quantities was the influential cause. Spring buyers of santonin and strychnine are likely to come to a market of especially firm, even strong, prices.

Price Changes

Advanced

Molasses, blackstrap, Gulf ports, ¼c. per gal.
Quicksilver, $2 per flask.

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
206.1	206.0	204.0	197.8

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Acetylsalicylic.—Seasonal needs raising volume. Firm.

Acid, Citric.—Market fully up to normal, winter activity.

Acid, Tartaric.—Secondhands report business at 62c. per pound. Producers' minimum price 51½c. Firm control exercised by makers to spread production broadly among actual consumers. Shipments from Spain were 154,322 pounds, valued at $48,000, in November, 1940, according to Department of Commerce release; 1939 total was 115,858 pounds.

Agar.—Shaded to $1.40 to $1.45 per pound for No. 1. More competition.

Alcohol.—Very firm. Consumption running to excellent gallonage. Upward readjustment of prices would not surprise. Blackstrap molasses at Gulf ports selling higher at 6½c. to 6¾c. per gallon.

Aloin. — Firm. Normal movement. No unsettlement in sight.

Ammonia Chloride.—Especially good call due to seasonal conditions.

Ammonia Citrate. — Normal movement. Well stabilized market.

Ammonia Phosphate.—More inquiry. Some gain in sales. Prices steady.

Antipyrene.—Movement at seasonal level. Well stabilized market.

Bay Rum.—Normally active at very firm prices.

Bismuth Metal and Salts.—Routine market activity at full prices.

Borax.—Consumption running fully up to expectations. Stable market.

Bromine and Bromides. — Steady. Seasonal consumption of bromides gains.

Cadmium Metal and Salts. — All prices very firm. Good consumption.

Caffeine.—Very little surplus stock in resale quarters. Priced between $7 and $7.50 per pound, not firm and subject to confirmation. Producers control sales closely. Strive to prevent consumers' diversion of deliveries into high-priced resale market.

Calcium Gluconate.—Firm. In normal request. Good reserve stocks.

Calcium Glycerophosphates. — Well stabilized prices and demand.

Calcium Mandelate. — Excellent interest shown. Firm market all respects.

Calcium Sulphocarbolate.—None too much available.

Castor Oil.—Steady to firm. Moving well. Consumption expected to rise. No weakness at any point.

CHICAGO, Jan. 29.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 10⅝c. per pound; barrels, less than car lots, 11⅜c.; returnable drums, car lots, 10⅜c.; drums, less than car lots, 11⅛c.; tanks, 9⅞c.; extracted, No. 3, barrels, car lots, 10⅛c.; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9c.; drums, less than car lots, 10⅜c.; tanks, 9⅜c.

Cocoa Butter. — Strong, high, and scarce. No relief expected.

Codliver Oil. — Occasional sales at less than full market prices. Iceland production assumes increasing importance. Canada output to gain.

Codeine. — Conditions favorable in rise in seasonal consumption.

Corn Syrup.—No notice of February prices yet received.

Cream of Tartar.—Active and in exceptionally firm position.

Creosote. — U.S.P. in fine request. Also, carbonate moves well.

Ephedrine.—Conditions are favoring more than ordinary consumption. Low prices proving stimulant to sales.

Ether.—Firm at late changes in schedule on synthetic item. Anesthesia item in normal request at well stabilized prices.

Formaldehyde. — Contract tenders taken out promptly. Normally active demand at full market prices. Jobbing business good.

Glycerin.—United States exports to China in three quarters of 1940 dropped from 3,432 Gold Units to 2,293 Gold Units. Japan and Great Britain got more business. Home market continues stabilized and under sustained, excellent demand.

CHICAGO, Jan. 29.—Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Halibut Liver Oil.—Refined in drums quoted $40 per gallon. Business good. Market firm. Price tendency upward.

Hyoscine.—Stocks low and in strong hands.

Iodine and Iodides.—All needs supplied readily. Steady market.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Fed. Wholesale Druggists, Feb. 4-6, New York.
Amer. Drug Mfers. Ass'n, May 5-8, White Sulphur Sprs.
Proprietary Ass'n, May 12-14, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.

MENTHOL

CRYSTALS
USP XI

CONSUMERS IMPORT CO., Inc.
342 Madison Avenue, New York
Cable address: PUREFOOD NEW YORK • All Codes

ANALYZED REAGENTS Baker's FINE CHEMICALS

Baker's

IODIDES

Baker's Alkali Iodides—Potassium, Sodium and Ammonium—have a particular appeal to pharmaceutical and drug manufacturers. These U.S.P. chemicals are not only free from iodates, but are relatively free from the other closely associated halogens—Chlorine and Bromine compounds.

If you have a preparation that requires Potassium, Sodium or Ammonium Iodides, let Baker send you samples and quote on your requirements.

FINE CHEMICALS for PHARMACEUTICAL MANUFACTURERS

Remember the Drug, Chemical and Allied Trades Banquet at the Waldorf-Astoria on March 13th.

J. T. BAKER CHEMICAL CO.
PHILLIPSBURG, NEW JERSEY
NEW YORK 420 Lexington Ave. PHILADELPHIA 220 South 16th Street CHICAGO 435 N Michigan Ave.

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City

TARTARS
NEUBERG CHEMICAL CORPORATION
441 LEXINGTON AVENUE MUrray Hill 6-1990 NEW YORK, N.Y.

VITAMIN PRODUCTS
FISH LIVER OILS
ATLANTIC COAST FISHERIES CORP. OF N. Y.
111 JOHN STREET, NEW YORK, N. Y.

RESORCIN
CATECHOL - META-NITRO-PARA-TOLUIDINE
PENNSYLVANIA COAL PRODUCTS COMPANY
PETROLIA, PENNSYLVANIA

DRUGS, CHEMICALS
155 VARICK ST., NEW YORK, N.Y.
CHAS. L. HUISKING & CO., INC.
CHICAGO BRANCH: 561 E Illinois St.
CABLE ADDRESS: "CELAITCH"
OILS, RAW MATERIALS, etc.
CAMPHOR, U. S. P., Domestic, Japanese
MENTHOL CRYSTALS, U. S. P.
FINE CHEMICALS
GUMS
Arabic, Olibanum, Shellac, Tragacanth
Alkaloids Santonine Spermaceti
Naphthalene Cocoa Butter, U. S. P.
IMPORTERS and EXPORTERS

NATIONAL BRAND MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE POWDERED-GRANULAR
BETA LACTOSE IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

BPC
BENZOL PRODUCTS COMPANY
237 SOUTH STREET, NEWARK, N. J.
MANUFACTURERS OF FINE CHEMICALS
Phenobarbital
Amino Acetic Acid

the World where the Oil, Paint and Drug Reporter does not circulate. There is not a commercial center of any importance in any part of

EDW. S. BURKE
J. F. HOLLYWOOD
Representing:
CARUS CHEMICAL CO., INC.
BENZOIC ACID
SODIUM BENZOATE
HYDROQUINONE
MANGANESE CARBONATE
MANGANESE DIOXIDE
MANGANESE SULFATE
POTASSIUM PERMANGANATE
RARER PERMANGANATES
BENZOL PRODUCTS CO.
AMINOACETIC ACID (Glycocoll)
AMINOPHYLLINE
BENZOCAINE
CHINIOFON (Yatren)
CHLORBUTANOL
CINCHOPHEN
CINCHOPHEN SODIUM
DEXTROSE
ETHYL GLYCOCOLL HYDROCHLORIDE
IODOXYQUINOLIN SULPHONIC ACID
NEO CINCHOPHEN
OXYQUINOLIN BENZOATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
PHENOBARBITAL
PHENOBARBITAL CALCIUM
PHENOBARBITAL SODIUM
SODIUM DIPHENYL HYDANTOINATE
TETRA-IODO-PHENOLPHTHALEIN SODIUM
THEOPHYLLINE
BROMSTYROL
CINNAMIC ACID
DIACETYL
METHYL CINNAMATE
METHYL PHENYL ACETATE
PHENYL ACETIC ACID
BENZALDEHYDE
BENZYL ALCOHOL
BENZYL CHLORIDE
BENZYL CYANIDE
DIETHYL MALONATE
DIMETHYL UREA
DI-NITRO CRESOL
CYANOACETAMIDE
CYANO ACETIC ACID
ETHYL CYANO ACETATE
8—HYDROXYQUINOLIN
8—HYDROXYQUINOLIN—5—SULPHONIC ACID
CRANSTON CHEMICAL CO.
LIQUID BROMINE
We could serve a few additional chemical manufacturers of non-conflicting products
EDW. S. BURKE
Established 1917
132 FRONT STREET NEW YORK, N. Y.

Benzaldehyde N.F.
AMERICAN CHEMICAL COMPANY, Inc.
427-433 East Erie Street :: Chicago, Illinois

Turner CHEMICALS
PHOSPHORUS OXYCHLORIDE
PHOSPHORUS TRICHLORIDE
ZINC STEARATE U. S. P.
C. P. SALT
JOSEPH TURNER & COMPANY
PROVIDENCE RIDGEFIELD, N. J. CHICAGO

Iron Acetate.—Sales up as inquiries for N. F., article gain.

Iron Citrate.—More than ordinary trading among jobbing trade.

Iron Glycerophosphate. — Satisfactory call. Firm quotations.

Iron Phosphate.—Ferric and ferrous moving in parallel, good demand.

Iron-Ammonia Citrate.—Demand for use as tonic stimulated by exceptionally active seasonal conditions.

Lanolin.—Firm. Anhydrous, 19c. to 20c.; hydrous, 17c. to 18c.

Magnesia.—All forms moving in excellent volume. Steady undertone.

Mannitol.—Prices still highly favorable for consumers.

Menthol.—Prices show definite upward trend. Stocks low. Holders strong in views. Replacements cost would warrant spot rise. Synthetic strongly maintained. Excellent market for everything obtainable.

Mercurials.—Raw material strengthening steadily here. Demand for hard mercurials at normal volume. Firmly held market.

Methanol.—General rise in industrial activity may forecast increased consumption this item. Apparently very firm position.

Molasses.—Blackstrap at Gulf ports higher at 6½c. to 6¾c. per gallon. Unchanged at 7c., North Atlantic ports. In tanks.

Morphine.—Conditions causing more than seasonal rise in consumption. Still highly stable market.

Phenolphthalein. — Consumption at normal levels. Prices attractive at steady levels.

Potash Acetate.—Call for U.S.P. somewhat irregular. Fair volume still.

Potash Bicarbonate.—Very good activity. Consumers buy moderately ahead.

Potash Guaiacolsulphonate. — Consumption up moderately. Due to seasonal stimulation of needs.

Quicksilver.—Spot price around $167 per flask. Firmer market. Brighter outlook. Production reported smaller in West, due to rains.

SAN FRANCISCO, Jan. 28.—New buying interest in quicksilver. Market rose here to $163. Some quarters name $165. Sales conservative. Mostly spot. Decreased production reported responsible for new interest. Sellers disinclined to sell futures. Substantial portion of their supplies already sold several months ahead. Competitive buying among shippers here from independent mines added strength factor. Recent heavy rains caused marked decrease in current production.

Quinine.—Very firm. Excellent activity. Conditions stimulate larger consumption. Java reports sales cinchona bark in 1940 to have been 43 percent above normal.

Rochelle Salt.—No weakness possible. Production cost running high due to raw material situation. Very good call.

Saccharin. — British consumption running high due to sugar shortage. Domestic consumption satisfactory. Well stabilized spot market.

Santonin.—Firm to strong market. Practically no competition likely this Spring.

Seidlitz Mixture. — Good demand. Strong prices show upward tendency.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	23¼
Monday	26⅞	34¾	23⅛
Tuesday	26⅞	34¾	23¼
Wednesday	26⅞	34¾	23⅛
Thursday	26⅞	34¾	23¼
Friday	26⅞	34¾	23¼

American Can Promotes R. Sullivan and W. Stolk

The American Can Company has appointed R. L. Sullivan, formerly assistant general manager of sales, general line, as assistant vice-president, with responsibilities in both packers can and general line sales and W. C. Stolk, formerly Atlantic district salesmanager, general line, as general manager of sales, general line.

Other changes include the appointment of H. B. Tourtellot, formerly assistant to general manager of sales, general line, as assistant general manager of sales, general line and E. Hoffman, formerly assistant district sales manager, general line, as district

R. L. Sullivan

W. C. Stolk

general line, with headquarters in this city.

Mr. Sullivan was born in Chicago where he started his career with the company in 1904. After serving in various sales offices in St. Louis, Detroit, Cincinnati and New York, he was appointed manager of the Gulf division in 1918. In 1931, he was transferred to New York as assistant district manager and in 1934 he was made district sales manager. He has been assistant general manager of sales since October, 1936.

With the exception of a year and a half spent in South America, Mr. Stolk's business career has also been with the company which he joined in 1916. Subsequent positions were manager of Pittsburgh and Philadelphia sales offices, New York sales division manager in 1932, assistant district salesmanager in 1935, and district salesmanager in 1936.

William F. Bahe Retires

William F. Bahe, who retired after forty-three years of service at the Chicago branch of the Parke-Davis & Co., pharmaceutical manufacturer, Detroit, was the guest of honor at a dinner given recently by the Chicago Drug and Chemical Association, of which he served as a member of the directorate. The association presented him with a traveling clock. Mr. Bahe was honored at a dinner early in the year by the Medinah Temple medical staff. Mr. Bahe plans to make his home in California.

H. N. Croocker, superintendent of the Jeffersonville, La., plant of the Colgate-Palmolive-Peet Company, Jersey City, has been awarded the Jeffersonville Junior Board of Trade's distinguished service award for his work on the flood wall.

GENUINE TILLY HAARLEM OIL CO., Inc.
FABRIEK VAN OPRECHTE HAARLEMMEROLIE
ORIGINAL MANUFACTURES OF HAARLEM, HOLLAND
150 Bay Street
JERSEY CITY, N. J.
JOurnal Square 2-7843

ALL GRADES OF REFINED GLYCERINE
U. S. P. B. P.
YELLOW DISTILLED
HIGH GRAVITY
DYNAMITE
REFINERIES LOCATED AT
★ Brooklyn, N. Y.
★ Jeffersonville, Ind.
★ Jersey City, N. J.
★ Berkeley, Calif.
★ Kansas City, Kans.
COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPARTMENT
105 HUDSON STREET JERSEY CITY, NEW JERSEY

KODAK HYDROQUINONE, C. P.
● Years of manufacturing experience and the rigid standards that the product must meet for photographic requirements assure the highest purity and uniformity in *Kodak Hydroquinone.* Regular production on a large scale makes possible prompt shipment from stocks that are always fresh.
TESTED EKC CHEMICALS
Quotations will be furnished promptly upon request.
EASTMAN KODAK COMPANY
Chemical Sales Division Rochester, N. Y.

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

INDUSTRIAL AND PHARMACEUTICAL *Chemicals*
CHLOROPHYLL
Oil-Water or Alcohol Soluble and Dry Powder
●
For All Purposes
To Meet the Requirements
Under the
New Food and Drug Act
●
Available in many strengths and shades to match buyers requirements
●
Selling Agents for
AMERICAN CHLOROPHYLL, Inc.
R. W. GREEFF & CO.
10 ROCKEFELLER PLAZA, NEW YORK CITY
R. W. Greeff & Co. Inc. RWG New York, U.S.A.

American (U.S.A.) Produced

★ SAPONIN ★

Now Preferred . . .

Qualities from Finest White . . . to grades for technical use

The production of fine quality SAPONIN in our laboratories at Lyndhurst, New Jersey, is now adequately relieving the former dependence upon foreign sources of supply.

It has been interesting and satisfying to meet the specifications of the many diversified trades using SAPONIN. Our best grades are said to excel the foreign product in many respects.

Samples are available — and quotations for either spot delivery or on contract will be forwarded promptly.

ORDERED YOUR TICKETS YET?
A good time will be had by all at the Annual Drug, Chemical and Allied Trade [Section Dinner. The Place: Waldorf-Astoria Hotel. Date: March 13, 1941

S. B. PENICK & COMPANY

132 NASSAU STREET, NEW YORK, N. Y. **735 W. DIVISION STREET, CHICAGO, ILL.**

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Anderson Heads Phila. Drug Group

—Continued from page 5

annual meeting. The latter event was carried out January 28. Last night's dinner largely filicitated the officers elected two days before; to wit:—

President, R. G. Anderson, of Merck & Co.

Vice-president, Charles E. Vanderkleed, of McNeil Laboratories.

Secretary, J. Mervin Rosenberger, of Smith, Kline & French, Inc.

Treasurer, Harold C. Halberstadt, of Shoemaker & Busch.

Directors, George F. Applin, of Mallinckrodt Chemical Works; E. Leidy Brendlinger, of the Dill Company; R. A. Cain, of Sharp & Dohme, Inc.; Harry Z. Krupp, of the Philadelphia Wholesale Drug Company; Frank F. Law, of John Wyeth & Bro.; Bruce Ludgate, of the Armstrong Cork Company; Walter P. Miller, jr., of the Walter P. Miller Company; E. S. Paisley, of the National Drug Company; and E. F. Schafer, of the Owens-Illinois Glass Company.

Raymond Grimshaw Anderson, the new president of the Philadelphia Drug Exchange, is a native Philadelphian and a graduate of Northeast Manual Training High School, where he received the Isaac A. Sheppard Gold Medal award for worth and diligence. He attended Pennsylvania State College and the Wharton School of the University of Pennsylvania. He was in the United States Marine Corps during the World War, taking time out from his connection with Merck & Co. which began in 1913.

Mr. Anderson has served Merck & Co. in various capacities in its main plant in Rahway, N. J., as well as in its branches in Montreal, Canada, and St. Louis, Mo. He returned to Philadelphia in 1925 where he has been associated with Merck & Co. ever since. In reference to his official title, Ray says they have only senior clerks and junior clerks in the Merck organization and that George Merck is the only senior clerk.

Mr. Anderson is a member of the Down Town Club, the Cedarbrook Country Club, and most all drug and local trade associations. His chief hobby is tennis. Among his close friends he is known as one who does a splendid campaign job for many of the charitable organizations in the city.

In his presidential address to the annual meeting, E. Leidy Brendlinger dealt particularly with problems confronting the drug and related trades under Federal and State laws. He pointed out the manner and extent of service which the exchange can provide for its members in this connection. He was hopeful that Pennsylvania's drug law would soon be brought into harmony with the Federal food, drug, and cosmetic act. He was hopeful also that the Federal tax on alcohol used pharmaceutically and otherwise not as a beverage would be reduced.

Memorial recognition was given to the following deceased:—John Anderson, of Charles Pfizer & Co.; Oscar L. Biebinger, of Mallinckrodt Chemical Works; Frank H. Bishop, of Thurston & Braidich; William H. Erhart, of Charles Pfizer & Co.; William A. Harshaw, of the Harshaw Chemical Company; William M. Kerr, of the General Chemical Company; and Louis A. Warne, of the Publicker Commercial Alcohol Company.

Two hundred thirty-seven persons attended the dinner. R. G. Anderson, the new president, was toastmaster, and introduced the numerous out-of-town guests.

Some affairs of city and State of a drug nature were discussed by E. L. Brendlinger, retiring president. An inspirational talk on city, State, and nation was given by Charles H Grabelow, director of purchases of the City of Philadelphia.

Irving C. Tarler Joins National Seal Corporation

The National Seal Corporation, manufacturer of closures and seals for glass and metal containers, Brooklyn, N. Y., has engaged Irving C. Tarler as technical service and special sales representative. Mr. Tarler previously was associated with the Standard Oil Company of Indiana as Eastern representative. He has also been affiliated with the Rheem Manufacturing Company and the Wackman Welded Ware Company during the past. In his new connection he will make his headquarters in Brooklyn.

Chicago Paint Clubs To Hold Joint Meeting

Chicago, Jan. 31, 1941

The annual joint meeting of the Chicago Paint, Varnish and Lacquer Association and the Chicago Paint and Varnish Production Club will be held February 3 at Harvey's Restaurant, this city. Guest speaker of the evening will be Charles J. O'Connor, vice-president of Reichhold Chemicals, Inc., who will present his movie, "A Flight Over South America."

Carey PRODUCTS

Carbonate of Magnesia
Oxide of Magnesia
U. S. P. and Technical Grades

THE PHILIP CAREY CO.
Dependable Products Since 1873
LOCKLAND, CINCINNATI, OHIO

STANDARD Collapsible TUBES and CAN SPOUTS

We are specialists, with 40 years' successful experience, in designing and making Tubes, Applicator Pipes, Can Spouts and Shells for "one-shot" application. Catalog, samples, prices and suggestions for the asking.

STANDARD SPECIALTY & TUBE CO.
New Brighton, Pa.

ROBINSON WAGNER CO.
MANUFACTURERS OF
USP LANOLINE
PHARMACEUTICAL
COSMETIC TECHNICAL
WOOLGREASE
REFINED NEUTRALS
110 EAST 42nd STREET
NEW YORK CITY

Botanical Drugs, Spices, and Gums

Labor Shortage in Cascara Collection Threatened by Defense Program Demand for Lumber—Market Generally Firm to Strong—Consumer Demand Moderate Now

Price developments in the market for botanical drugs were few and far between last week. They came mainly in items of a condimental sort and for the most part were changed within narrow limits. Medicinal crude drugs displayed substantial price stability, a condition fully to have been expected in view of the fact that stocks of European drugs on this market have shrunken to a point of actual or almost total exhaustion in many instances.

Stocks of domestic goods were generally in satisfactory volume. Although the defense program is likely to take up surplus labor supply in the primary markets, the usual experience of dealers is that if prices to field workers be attractive, fair collections, with minor exceptions, can be obtained.

One important exception may be cascara sagrada bark. Reports from the Pacific Northwest indicate that the stock available between now and peeling operations in the Spring are less than normal. Timber operations in the Northwest will be vastly increased by the national defense program and it is doubtful that anything like a normal number of cascara peelers will go into the forest this Spring unless exceptionally attractive prices be paid them.

Balsams

Peru.—Steady. Moving well in jobbing quantities.

Tolu.—Market slow. Orders conservative in size. Prices steady.

Barks

Angostura.—Firm but not very active.

Barberry.—Limited stocks strongly held. No replacements reported.

Buck Haw.—Root bark of normal quality in low supply. Strong price position.

Cascara Sagrada. — Carryover believed far less than normal. Due to inability of peelers to do normal work in 1940. Labor shortage reported this year. Due to lumbering operations and general defense work taking up all labor slack. High prices for peel expected to prevail to attract peelers. Price at Northwest shipping points now 14c. per pound. Market dealers in primary market predict an advance.

Beans

St. Ignatius.—Little demand. Firm prices. Moderate supply.

Vanilla. — Nominal position of market unchanged. Spot stocks small. Practically all under engagement. Few imports save from Mexico can be expected. Era of high, nominal prices continued.

Berries

Cubeb.—Advance maintained. Market very firm. Little competitive.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags—Detained.	Bags—Entered.
Anise	...	100
Belladonna	19	19
Caraway	...	38
Cardamom (cases)	...	316
Celery	...	26
Coriander	...	8,750
Cumin	...	932
Digitalis leaves (cases)	...	...
Dill	...	2,632
Fennel	...	268
Henbane leaves (bales)	...	...
Mustard	...	582
Poppy	...	...
Sage leaves (bales)	...	100
Sesame	...	1,280
Stramonium	...	...
Thyme	197	197

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Association Meetings:—
Amer. Spice Trade Ass'n, May 12-14 (Tentative), New York.

Price Changes

Advanced

Anise, Mexican, ½c. per lb.
Celery seed, Indian, 6c. per lb.
Ipecac root, whole, 5c. per lb.
powdered, 5c. per lb.
Pepper, black, Lampong, ¼c. per lb.
red, chillies, Japanese, ½c. per lb.

Reduced

Coriander seed, natural, ¾c. per lb.
bleached, 1c. per lb.
Cumin, Morocco, 1c. per lb.
Cyprus, 1c. per lb.
Persian, ¾c. per lb.
Cassia, Batavia, No. 1 regular, ½c. per lb.
shortstick, ¼c. per lb.
Dill seed, ¼c. per lb.
Nutmegs, East Indian, small grinding, 2c. per lb.
Paprika, Spanish, extra fancy, ½c. per lb.
Pepper, red, chillies, Mombassa, ½c. per lb.
Pimento, 1c. per lb.
Sunflower seed, poultry grade, ¼c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
224.8	224.8	229.5	189.2

Market news that may have developed after this report was sent to press will be found on page 4.

Hawthorn. — Buying support recent advance fully. Very firm market.

Flowers

Arnica.—Next to nothing available. Purely nominal market.

Calendula.—Advance maintained by scarcity of supply. Limited call.

Elder.—Small stocks. Market nominal. Prices subject to confirmation.

Mullein.—Little held here. Nominal market. No firm prices.

Rose.—Pale flowers no lower but still easier. Red high and nominal.

Gums

Arabic.—No signs of shipping from source improving. Vessels moving very few. Future of spot price depends on ability to get stocks from source to local market. Stocks accumulating in primary market warehouses. No weakness noted here. Shipping the key to whole future situation.

Camphor.—Firm. Demand stimulated by influenza spreading through country. Domestic synthetic production engaged well ahead.

Mastic.—Narrow consuming market fails to reduce substantial stock available. Selling pressure believed increasing.

Tragacanth.—Spot believed likely to hold at approximately current levels unless and until substantial movement of primary market stocks be-

CHECK THIS LIST
OF HOPKINS' PROFESSIONALLY MILLED, ANALYZED, HIGH STANDARD
CRUDE DRUGS

The earth contributes and J. L. Hopkins & Company distributes every foreign and domestic botanical drug for which there is any commercial demand. A few of the many botanical drugs, ready for prompt or contract shipment from our New York City warehouses and mills, follow:

√ ACONITE (250% Active)
√ ALOES
√ ALTHEA ROOT
√ ANISEED
√ ARECA NUTS
√ ASAFOETIDA GUM
√ BENZOIN GUM
√ BUCHU LEAVES
√ CALAMUS ROOT
√ CUBEBAR
√ CINCHONA BARK
√ DAMIANA Select
√ DIGITALIS (110% Active)
√ DOGGRASS CUT
√ ERGOT (140% Active)
√ EUPHORBIA PIL.
√ FENNEL SEED
√ GALANGAL ROOT
√ GINGER
√ GUAIAC GUM Glassy
√ HAWTHORNE BERRIES
√ HOREHOUND
√ IPECAC ROOT
√ IRISH MOSS
√ KOLA NUTS
√ MYRRH GUM
√ OLIBANUM GUM
√ ORANGE PEEL
√ ORRIS ROOT
√ PAPAIN
√ PEPPERMINT
√ PSYLLIUM SEED
√ QUASSIA
√ QUINCE SEED
√ RHUBARB ROOT
√ SANDALWOOD
√ SARSAPARILLA
√ SENEGA ROOT
√ SENNA LEAVES
√ SLOE BERRIES
√ STRAMONIUM
√ UVA URSI
√ WILD CHERRY BARK
√ PALE ROSE BUDS

◆ ◆ ◆ ◆ QUOTATIONS AND SAMPLES ON REQUEST ◆ ◆ ◆ ◆

J. L. HOPKINS & CO.
IMPORTERS, MILLERS AND MANUFACTURERS OF PROFESSIONALLY MILLED, ANALYZED CRUDE DRUGS
Boston Philadelphia 220 BROADWAY, NEW YORK CITY 180 N. Wacker Drive, Chicago, Ill. Memphis Los Angeles

Use KELTEX
a Sodium Alginate product
as thickener
in
Print Pastes,
Discharge Work,
Direct Dye Printing

And you will get
Better color yield
Excellent penetration
Ease of removal—with a light rinse
No expensive preparation — KELTEX is ready to use when dissolved
LOW cost
Uniform quality

Other USES for Kelco products

Kelco ALGINATE products are used wherever a hydrophilic colloid or gum-like material is required.

THERE is a Kelco Sodium Alginate Product especially developed for each of the following uses:
As suspending, viscosity and sizing agents in Cold Water Paints, in Cosmetics, in Leather Dressings, in Latex Mixtures, in Boiler Compounds, and many other industrial uses.

KELCO SODIUM ALGINATE PRODUCTS
KELCO Company
75 E. Wacker Drive CHICAGO 31 Nassau St. NEW YORK 530 West 6th St. LOS ANGELES

gins. United States almost sole market left to producers at source. Increase in sailings of freighters from source to spot would have considerable effect on values. Barring that, steady spot prices seem likely.

Herbs and Leaves

Belladonna.—Strong, scarce, and inclined to be nominal.

Euphorbia.—Recent slight advance maintained. Little call.

Henbane.—No open market. Prices subject to confirmation.

Sage.—Firm to strong under limited offerings.

Savory.—No general supply reported. Some report stocks exhausted.

Miscellaneous

Agaric.—Stock exhaustion confirmed.

Cantharides.—Little Russian available. Prices strong and high.

Ergot.—Some have made minimum price $1.60 per pound. About $1.55 per pound might be done for limited quantity. Firming tendency.

Grains of Paradise.—Competition still in evidence. No further price drop.

Manna.—Out of supply for open market trade. Small lots held for regular consumer needs.

Roots

Arrowroot.—Price stability maintained despite war influences on main primary market.

Dandelion.—Domestic collection likely to be important this year. Foreign sources cut off.

Ipecac.—Market turns upward to $1.10 to $1.15 per pound for whole; powder, $1.25 to $1.30. Less offered from source.

Rhubarb.—Steadier at late decline. Moving in fair volume.

Senega.—Recent advances maintained. Not much selling. Some doubt concerning collection this year.

Seeds

Anise.—Advance of Mexican to 23c. to 23½c. per pound sole change.

Celery.—Indian in stiff advance to 34c. to 35c. per pound. French out of the picture.

Coriander.—Down again, reflecting recent arrivals. Natural, 6¾c. to 7¼c. per pound; bleached, 9c. to 9½c.

Cumin.—Lower. Morocco and Cyprus seed, 19c. to 19½c. per pound. Persian, 16¾c. to 17¼c.

Dill.—Off a fraction to 8c. to 8½c. per pound for recleaned seed.

Fennel.—Indian seed down to 12c. to 12½c. per pound.

Sunflower.—Poultry grade shaded to 5c. to 5½c. per pound.

Spices

Cassia.—Batavia No. 1 regular shaded to 16c. to 16½c. per pound; shortstick, 12¼c. to 12¾c. No other changes.

Nutmeg.—Small grinding East Indian nutmegs drop to 14c. to 14½c. per pound.

Paprika.—Extra fancy Spanish lowered to 39c. to 40c. per pound. Portuguese easier as result late arrivals.

Pepper.—Black Lampong shaded to 4.20c. to 4.35c. per pound. Japanese chillies rise to 20½c. to 21c. Mombassa chilles shaded to 24½c. to 25c. White peppers unchanged.

Trading in black pepper futures on the New York Produce Exchange from January 25 to January 31, inclusive, comprised 128 contracts, a total of 4,300,800 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
March	4.22	4.14	4.22@4.25
May	4.31	4.26	4.29@4.30
September	4.44	4.34	4.44@4.45
December	4.53	4.45	4.54@4.55

E.V. Killeen Honored On 50 Years with Lueders

—Continued from page 4

ored guest at a banquet tendered him by the officers, directors and employees of George Lueders & Co., this city, in commemoration and celebration of his fifty years of devotion to the company in particular and the essential oil trade in general.

Mr. Killeen was born October 15, 1871, in this city and was thus a babe three days old when the late William O. Allison founded this publication, the Oil, Paint and Drug Reporter, that began its seventy years of weekly publication on October 18 1871.

The United States into which Mr. Killeen and the Reporter came in 1871 was in its youth, if not its infancy. There were thirty-eight states with a population of 38,000,000. There were no telephones and the telegraph was but beginning to serve commerce. It took more than seven days to cross the Atlantic. The single transcontinental railroad was but two years old. Prairie schooners rolled west out of St. Louis. The country was emerging from the Black Friday gold-corner panic of 1869, but the panic of 1873 was in the offing. Contrast that picture with the present 48 states and their population of 130,000,000; the country-wide and international unity worked by the telephone, the telegraph, the auto, the radio, the airplane. Ocean transport to Britain has been halved and transport by clipper plane is a matter of hours. One dines in New York and breakfasts in San Francisco in place of the interminable days of travel in 1871.

The United States of Mr. Killeen's fiftieth business anniversary is a far different country than when he went to work for Mr. Lueders. Few realize it more than Mr. Killeen. For after ten years in the New York office of Lueders, Mr. Killeen became a Knight of the Road; a Gadder; a traveling man; or, in modern parlance, a commercial representative. And he was on the road 35 years for the Lueders company.

It was in 1895 that a partnership was formed by George Lueders, Henry J. Heister, and Ferdinand Weber and became known as George Lueders & Co. About this time, Mr. Killeen was promoted. His new position was assistant to Mr. Lueders. In 1901, Mr. Heister, whose headquarters were in Chicago, withdrew from the firm and Mr. Killeen was assigned the difficult task of filling the shoes of one of the most popular men traveling the western trade.

He must have done well. For during the next thirty-five years, Mr. Killeen traveled regularly from New York to 'Frisco, and from Canada to Texas. It is not too much to say that the rise of Lueders & Co., from an obscure beginning to a position outstanding in the essential oil trade made the name of Edward V. Killeen one to be reckoned with. It was a period that gave to him a host of business connections that became close, personal friendships and the fact that he can include among such friends, perhaps, every single competitor was the source of greatest satisfaction to him when, last week, a deluge of telegrams brought him country-wide congratulations on his fiftieth anniversary.

The partnership of 1895 was succeeded by a corporation in 1906 and Mr. Killeen was elected secretary. In 1916 he was elected vice-president and succeeded to the office of president in 1930. He held that post when he resigned in 1938 to get more of leisure and less of responsibility. To keep out of mischief, in his own words, Mr. Killeen reserved to himself the care of several of the corporation's most important accounts in the Metropolitan area—accounts he had looked after for many years.

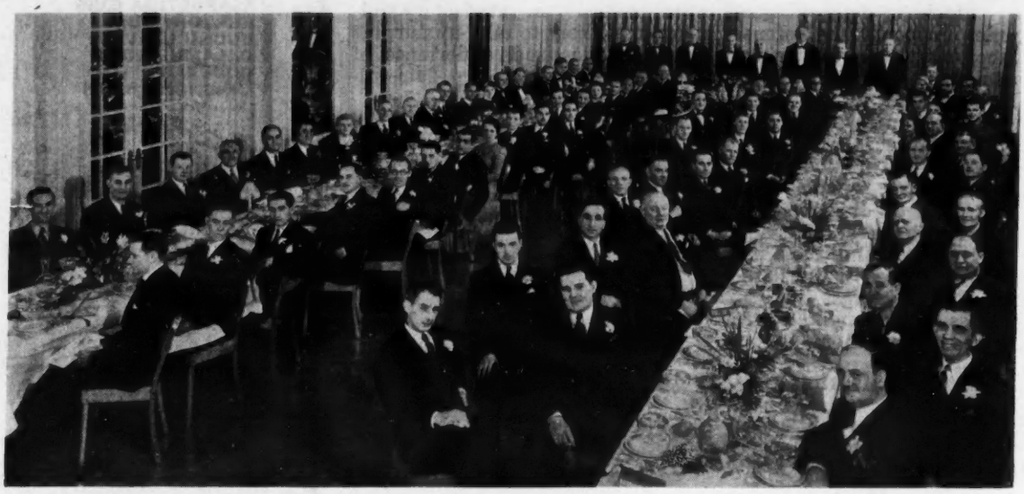
By what Mr. Killeen describes as "a strange coincidence," he was married on the day of the month that he went to work for Mr. Lueders. The marriage was to Miss Julie P. Loughlin on January 28, 1897. Four children were born, two boys and two girls. His older son was lost in the war in 1918, three weeks before his 21st birthday, at which time he was a senior at Holy Cross College. The marriages of the other son and the two daughters have blessed Mr. and Mrs. Killeen with ten grandchildren.

For a great many years Mr. Killeen was a member of the Diocesan Board of Catholic Charities of the Borough of Brooklyn. For a long period of years he was also a member of the board of trustees of St. Mary's Hospital, Brooklyn, and a member of the board of the Brooklyn Society for the Prevention of Cruelty to Children.

The knighthood of St. Gregory was conferred on Mr. Killeen in 1929 by Pope Pius XI in recognition of his interest in Catholic education and charities in Brooklyn. In the same year, Holy Cross College conferred on him the honorary degree of Doctor of Laws. He founded the Essential Oil Association of the United States in 1927, is a member of the Drug and Chemical Club of this city, and also of the Montauk Club and Deal Golf Club.

The commemoratory banquet was held in the Hotel Astor. The company totaled about ninety, among whom were the officers and directors, Robert Emmett Desmond, San Francisco representative; Paul Cooley, Chicago representative; D. Batzouroff, rose oil merchant of Paris and Bulgaria; Mr. Killeen's son Wilbur and his sons-in-law, E. J. Martin and William H. Sullivan.

The officers and directors presented him a fittingly engraved wrist watch as a souvenir, and the employees gave him two traveling bags as a suggestion that Killeen, the salesman, from time to time should take to the road again. All wished him health and happiness, and expressed the desire that the years of future association with them be many.



Pimento.—Spot prices decline again. Market down to 25½c. to 26c. per pound. Recent offering of 26c. per pound noted on February future. Mexican spice offered spot 11c. to 11½c. per pound. Prompt from Mexico, 10c. per pound.

Germans Make Cinnamon

Artificial cinnamon is now being produced in Germany, according to information received by the Department of Commerce. It consists of a mixture of 96 percent cinnamic aldehyde and 4 percent eugenic acid, which is incorporated in a 3 percent to 4 percent powder carrier consisting of the pulverized shells of hazelnuts, almonds, and the like. In order that the synthetic cinnamon will resemble the natural cinnamon in color, the carrier is colored with a yellowish-brown coloring material. The artificially colored powder, after drying is thoroughly mixed with the cinnamic aldehyde-eugenic acid mixture. A slight amount, or 0.2 percent of genuine Ceylon cinnamon oil is added to the preparation to give the delicate fragrance of natural cinnamon.

GUMS
IMPORTERS
GUM ARABIC
GUM TRAGACANTH
LOCUST BEAN GUM
(CAROB FLOUR)
GUM KARAYA
CHICAGO REP.
J. H. DeLAMAR & SON
160 E. Illinois St.
NEW ENGLAND REP.
P. A. HOUGHTON, INC.
Boston, Mass.
PHILADELPHIA REP.
R. PELTZ & CO.
36 Kenilworth St.
PAUL A. DUNKEL & CO. INC.
82 WALL ST., NEW YORK, N.Y. HANOVER 2-3760

ECONOMIZE with this FINEST QUALITY
OIL OF LIMES
DISTILLED
Let the tangy freshness of this outstanding citrus oil lift your product to the pinnacle of flavor quality. Our present favorable position will enable you to do this with really worth-while economy if you order your season's requirements NOW.
Gathering Limes
FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

Essential Oils, Aromatic Chemicals

Peppermint Rises Sharply as Dealers Strengthen Position —Spearmint Also Higher—Clove Up Moderately—Mace and Nutmeg Firm at Moderate Advance — Market Firm

Fundamental conditions changed very little last week in the market for essential oils and aromatic chemicals. Because of continued scarcity of numerous imported items, quotations on the majority of such merchandise were either nominal or closely approximate thereto. Even domestic essential oils showed basic strength throughout the period and peppermint as well as spearmint underwent advances. Activity in the field of aromatic chemicals continued to be stimulated by the scarcity of many natural products.

Activity in the laboratories of essential oil dealers and aromatic chemical manufacturers has increased greatly. For a long time to come, the hunt for satisfactory compounds to use in place of unobtainable or too high priced natural products will constitute a major part of research operations.

The search for satisfactory materials is expected to result ultimately in the creation of compounds not easily to be dislodged from commerce even when natural products shall again come to normal supply. The present situation is looked upon as an opportunity to build a permanent consuming market based on prices that natural products will find to be distinctly competitive. The opportunity to create a sound basic demand for such materials exists and has been seized tightly and aggressively by the leaders in the essential oil and aromatic chemical industry.

Price Changes

Advanced

Clove, 5c. per lb.
Mace, 10c. per lb.
Nutmeg, 10c. per lb.
Peppermint, 20c. per lb.
Spearmint, 10c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
172.1	171.3	169.5	95.7

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Strong. In low reserve. Prices subject to rise.

Amber.—Firm but not very active. In moderate reserve.

Angelica.—Little available. First quality very scarce.

Anise.—Firm to steady. In fair but not expanding demand.

Apricot.—Firm to strong. Less than normal stocks noted.

Bay.—Demand irregular. Mainly for small lots.

Bergamot.—Main activity in artificial. Practically no natural oil available.

Birchtar.—Limited stocks priced at levels subject to confirmation.

Bois De Rose.—Very firm. Uncertainty of replacement arrivals holds prices firmly. Fair demand.

Calamus.—Little available. Market practically nominal.

Camphor.—Very firm. No surplus supply anywhere.

Capsicum (Oleoresin).—Firmer raw material position. Oleoresin moving normally at very firm prices.

Caraway.—Prime quality goods very scarce. Some report total absence of supply. Strictly nominal position.

Cassia. — Firm. Undertones very steady. Good demand from normal sources of consumption.

Cedarleaf. — Firmer market maintained. Movement at recent levels.

Cedarwood.—Prices show strength. Demand expected to expand.

Clove.—Drums, $1.10 to $1.15 per pound. Cans, $1.15 to $1.20. General firming of position noted.

Coriander.—Large arrivals of seed may forecast gain in new oil distillation. No easing of prices likely.

Cubeb.—Raw material held firmly at higher prices. Oil steady.

Cypress.—Not too much available. Very firm undertones.

Dill.—Large gain in domestic production doubtful. Will take place on Pacific Coast. Dependence mainly on imported item.

Eucalyptus.—Moving under stimulus caused by seasonal needs.

Fennel.—Firm. Not very active. In moderate supply.

Geranium.—Purely nominal. Compounds expected to gain importance as substitute that may become permanent articles of commerce.

Ginger.—Firm to steady. Demand quiet but well maintained.

Juniper. — Natural oil unavailable most quarters. Still a trifle left of oil distilled from domestic berries. Market around $9 per pound.

Juniper Tar.—Still a chance of getting Spanish goods here. No normal transport possible. Firm market.

Lavender.—High prices in nominal market give rise to widening interest in substitute compounds. Much laboratory work being done.

Lemon.—Firm prices well stabilized. California oil meeting test of supplying more than usual demand. Merchandizing policy based on maintainence of reasonable price stability.

Lemongrass.—Firm. Consumer demand very good. Little competition.

Lime.—Doing well within seasonal restrictions. No weakness.

Lovage.—A trifle of extra fine oil quoted $85 per pound, subject to prior sale.

Mace.—Firm at $2.35 to $2.45 per pound.

Nutmeg.—Sold at $2.35 to $2.45 per pound as to quantity. Firm to stronger undertones.

Orange.—All consumer needs being met at reasonable prices.

Peppermint. — Advanced. Natural, $3.25 to $3.50 per pound; redistilled, $3.50 to $3.75. Stocks in strong hands closely held.

Spearmint.—Higher at $2.60 to $2.70 per pound as demand drains unsold stocks in primary market. Undertones gaining strength.

Aromatic Chemicals

Acetaldehyde.—Firm. No unusual demand.

Acetophenone.—Quiet. Steady. In fair reserve.

Amyl Phenylacetate.—More inquiry and some gain in sales. Prices firm.

Amyl Salicylate.—Good call. Very steady movement. Steady prices.

Anethol.—Steady to firm. In quiet, well maintained request.

Anisic Aldehyde.—No unsettlement. Undertones firm.

Benzaldehyde.—Good sized inquiries maintained satisfactory volme.

Benzophenone. — Normal activity. Very steady undertones.

Benzyl Acetate.—Firm. Moving steadily. Full price maintenance.

Benzyl Alcohol.—Normal activity at fully held prices.

Benzyl Benzoate.—Inquiries up sales some. Very steady prices.

Benzyl Cinnamate. — Rather quiet call. Mainly jobbing.

Benzyl Formate. — More activity within conservative limits. Firm market.

Benzyl Propionate.—Consumption at normal levels. Stable market.

Benzyl Salicylate.—No unusual activity. Prices stabilized.

Benzylidenacetone.—Offerings meet needs. Steady prices and market.

Borneol.—No open market offerings. Said to be nominal near $2 per pound.

Bornyl Acetate. — Nominal quotations offered around $1.75 per pound.

Bromstyrol.—Little choice in qualities. All sellers very firm.

Carvol. — Market held nominal around $10 per pound.

Cinnamic Alcohol.—Firm. Limited competition. Good call.

Cinnamic Aldehyde.—Gain in activity mainly along jobbing needs.

Citral.—Needs being met. Volume substantial. Firm market.

Citronellal.—Firm. Routine activity providing good volume.

Citronellol. — Consumption running to good volume. Very teady.

Citronellyl Acetate.—Demand moderate and irregular. Price steady.

Coumarin.—Very firm at fully stable prices. Volume good.

Cyclamen Aldehyde.—In moderate reserve. Prices showing strength.

Linalool.—Excellent movement indicates growing requirements.

Linalyl Acetate.—High test goods nominal around $6.50 per pound.

Menthol.—Strength growing steadily. Stocks shrinking. Higher prices forecast in most quarters.

Menthyl Salicylate.—Seasonal expansion in manufacturing need expected.

Methyl Acetophenone. — Movement up moderately. Prices strengthen.

Methylphenyl Acetate.—Sales around $2.10 per pound. Very steady.

Methyl Salicylate.—All needs supplied. Prices stabilized.

Musk.—Domestic production filling consumption needs. Little imported merchandise still unsold in dealers' hands.

Nerolin.—Quiet but steady. Prices holding well.

Novoviol.—Entire group highly stabilized. In good demand.

Novoviol Ketone.—Also stable around $2.70 per pound.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Certainly There's A Difference in
BALSAMS
• MM&R has perfected a method of treating, refining and packaging crude balsams that assures a uniform product of highest quality . . . . . totally free from undesirable foreign matter.
• Those who believe "one is as good as another" are invited to try M M & R Balsams and discover the difference.
MAGNUS, MABEE & REYNARD, INC.
Essential Oils, Balsams, Aromatic Chemicals, Concentrated Flavors . . . Since 1895
16 DESBROSSES STREET, NEW YORK, N.Y.
CHICAGO BRANCH: 180 N. Wacker Drive
CANADA: Richardson Agencies, Ltd., 454 King St., W., Toronto
M&R MAGNUS
An MM&R ECONOMY POINTER

OIL OF SANDALWOOD EAST INDIA

We are pioneers in the distillation of this Oil in U. S. A. Looking back over our fifty-five years business experience, we can say that during half that time we have been manufacturers of Sandal Oil, and we unhesitatingly and without reserve offer our product as

THE FINEST OBTAINABLE

With our knowledge of Sandal, we believe you will admit we know whereof we speak when we make this claim.

High in Santalol content Exquisite in Aroma

GEORGE LUEDERS & CO.
427-429 WASHINGTON STREET, NEW YORK
Factory: Brooklyn Branches: Chicago, San Francisco, Montreal, Mexico City

D. W. HUTCHINSON & CO., Inc.
IMPORT ESSENTIAL OILS EXPORT
162-164 Front Street Established 1896 New York City

TOMBAREL
Supreme Flower Essences
Surfine Essential Oils
Basic Perfume Materials
Special Perfume Creations for All Purposes
Tombarel Products Corp.
9-11 East 19th Street, New York, N.Y.

VIKING
Petroleum Solvents
PENTANE
HEXANE HEPTANE
PETROLEUM ETHER
LIGROIN BENZINE
LOW COST—HIGH QUALITY
Special Solvents for Specific Purposes
VIKING DISTRIBUTING CO.

Scientific and Professional Services

Alexander, Jerome
Consulting Chemist and Chemical Engineer
Especial experience in colloid chemistry and its applications. Representation for Patents, Processes, Products and Apparatus. Research Advice, Investigations, Expert Testimony.
50 East 41st Street New York City
Member:—Association of Consulting Chemists and Chemical Engineers

ASSOCIATION OF CONSULTING CHEMISTS AND CHEMICAL ENGINEERS, INC.
Organized to advance the science and practice of consulting chemistry and chemical engineering.
The membership, located from coast to coast, includes highly qualified specialists from all branches of the profession.
For Expert Consultants Address the Association—50 E. 41st ST., NEW YORK, N.Y. *Room 82*

Philip B. Hawk, Ph.D., Pres. Bernard L. Oser, Ph.D., Dir.
FOOD RESEARCH LABORATORIES, INC.
48-14—33rd Street, Long Island City, N. Y.
Research — Consultation — Testimony
FOODS — DRUGS — COSMETICS
SPECIALIST IN VITAMINS
Members Association of Consulting Chemists and Chemical Engineers
Write for "Science at Your Service"

Charles H. LaWall—1871-1937 Joseph W. E. Harrisson
LaWALL and HARRISSON
Pharmaceutical and Chemical Research. Biological Assays. Pharmacological Studies in association with Clinical Tests. Routine Drug and Food Control.
214 So. 12th Street Philadelphia, Pa.

PROTECT YOUR IDEAS BY **PATENTS**
Call or Send me a Sketch or Simple Model
WHAT IS YOUR INVENTION?
Z. W. Polacheck 1234 BROADWAY NEW YORK PATENT ATTORNEY ENGINEER CONFIDENTIAL ADVICE
REGISTER YOUR **TRADE MARKS**
U. S. Pat. Off. records searched ANY invention or Trade Mark FREE Comprehensive LITERATURE
Phone Wisconsin 7-3088

Est. 1865
W. S. PURDY COMPANY, Inc.
TESTING AND CONSULTING LABORATORIES
PETROLEUM FUELS ASPHALTS COAL
WAXES GREASES FATS COSMETICS
PAINTS SOAPS TEXTILES
128 Water Street, New York HAnover 2-3772

SADTLER, SAMUEL P. & SON, Inc.
RESEARCH AND ANALYTICAL CHEMISTS
Special Laboratory Equipment for your work.
210 South 13th Street Philadelphia, Pa.
"Nothing Pays Like Research"

Chemical Engineers—
Representation on this page would result in inquiries and business. We have a special rate for professional cards. May we quote it to you?
Oil, Paint and Drug Reporter 59 John Street, New York, N. Y.

Bureau of Chemistry
New York Produce Exchange
H. P. Trevithick, Ph.B., B.S.
2 Broadway New York
Cottonseed Oil, Oils, Greases, Soaps, Turpentine, Glycerine, Cattle Feeds, Spices, Chemicals, etc.
Consultation—Research

COLLAPSIBLE TUBE FILLING
PRIVATE BRANDS
SHAVING CREAM
DENTAL CREAM, TABLETS
LUBRICANTS, OINTMENTS, ETC.
Full Manufacturing Facilities
DAY CHEMICAL COMPANY
70-72 Marshall St., Newark, N.J.

W. H. DICKHART
CONSULTING & ANALYTICAL CHEMIST
OILS, FATS, FOODS, DRUGS
Official Chemist for the New York Mercantile Exchange and Olive Oil Assn. of America
6 HARRISON ST., N. Y.
Phone WAlker 5-2848

J. Ehrlich, Ph.D.
CONSULTING CHEMIST
153 South Doheny Drive
Beverly Hills, California
ORGANIC SYNTHESES
Fellow of the American Institute of Chemists

Ellis-Foster Company
Established 1907
Research and Consulting Chemists
Specializing in Synthetic Resins and their Plastics and Related Subjects.
4 Cherry Street Montclair, N. J.
Telephone—Montclair 2-3510

ANTI-KNOCK VALUE DETERMINATIONS
The Gray Industrial Laboratories
Chemists and Engineers
Specialists on Petroleum Products
961-975 Frelinghuysen Ave., Newark, N. J.
Telephone: BIgelow 3-4020

Horace J. Hallowell
Consulting Chemist
Analyses and reports made in all branches of industrial chemistry—soils, minerals, iron, alloys, fuels, beverages, drugs, pharmaceuticals, cosmetics, etc.
Investigations and research. Formulas developed.
325 Main Street Danbury, Conn.

DRAWBACK SPECIALISTS
Refunds of duty on materials used in exported products.
C. J. Holt & Co., Inc.
8-10 Bridge Street New York, N. Y.
Phone BOwling Green 9-6242

INDUSTRIAL CONSULTING LABS. Inc.
Analytical and Consulting Chemists
PAINTS, VARNISHES, ENAMELS AND ALLIED PRODUCTS
128 Water Street HAnover 2-1899

Knight, B. H.
Analytical and Consulting Chemist
80 East 41st Street
OFFICIAL ANALYST
U. S. Shellac Importers Assoc. Am. Bleached Shellac Mfrs. Assoc.

Laning Company, E. M.
Specializing in Perfumes, Toilet Preparations, Pharmaceuticals and Flavors. Formulas perfected. Problems solved. Labels and Circular Matter revised to comply with the new Food, Drug and Cosmetic Act.
433 Stuyvesant Ave., Irvington, N. J. Phone ES. 2-8433
E. M. Laning, B. Sc., Manager.

Molnar Laboratories
Chemists and Bacteriologists
Reliable hormone and pharmaceutical assay and research.
Nicholas M. Molnar, M.S., F.A.I.C., Member Assn. Consulting Chemists
211 East 19th St. New York, N. Y. GRamercy 5-1030

Munch, James C., Ph.D.
Consultant and Laboratory Service
Bioassays: Official and New Methods. New and Old drugs studied.
Literature.
Toxicology.
Pharmacology.
Clinical effects.
8816 Market Street, Upper Darby, Pa.

If Your Professional Card
were here others would be reading it now.
Send for rates.
Oil, Paint and Drug Reporter
59 John Street, New York

Orthmann Laboratories, Inc.
AUG. C. ORTHMANN, Director
Specialists in Leather and Allied Industries.
Consulting, Analytical and Research
647 W. Virginia Street, Milwaukee, Wis.

John E. Raisch & Co.
OFFICIAL and LICENSED WEIGHERS, SAMPLERS and INSPECTORS, CARGO SUPERVISORS and CONTROLLERS.
Licensed by N. Y. Cotton, N. Y. Cocoa, N. Y. Coffee and Sugar, Commodity and N. Y. Produce Exchanges
15 Moore Street New York, N. Y.
Tel. BO. 9—4068-4069

Leather - Tanning Materials - Furs
SAMPLING, ANALYSES, RESEARCH, CONSULTATION FOR LEATHER, FUR AND ALLIED TRADES
THE REED-BLAIR LABORATORIES
143-146 West 20th Street New York
Tel. CHelsea 2-3520—21

Schwarz Laboratories, Inc.
Analysts — Biologists — Consultants
BEVERAGES, EDIBLE OILS, ESSENTIAL OILS, FOODS, WATER
202 East 44th Street New York, N. Y.
MUrray Hill 2-0607

Seil, Putt & Rusby, Inc.
H. A. Seil, Ph. D., Earl B. Putt, Ph. G., B. Sc.
SPR
Analytical and Consulting Chemists
Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
Phone MUrray Hill 3-6368.
16 East 34th St. New York City

Foster D. Snell, Inc.
Our staff of chemists, engineers and bacteriologists with laboratories for analysis, research, physical testing and bacteriology are prepared to render you Every Form of Chemical Service
303 Washington Street Brooklyn, N. Y.

Stillman & Van Siclen, Inc.
Chemical and Testing Engineers
Tests, Inspection and Supervision of Benzol, Toluol, Xylol, Tars, Pitches, Asphalts, Road Oils and all other Coal Tar and Petroleum Products.
Telephone: LOngacre 5-5260-5261
254 W. 31st Street New York, N. Y.

Stillwell & Gladding Established 1903
Analytical and Consulting Chemists
Oils, Soaps, Fats, Paints, Varnishes, Drugs, Gums, Foods, Glycerin, Turpentine, Waxes, Spices, etc.
Member Association Consulting Chemists and Chemical Engineers
130 Cedar Street New York

Roger W. Truesdail, Ph.D., *President* C. E. P. Jeffreys, Ph.D., *Director of Research*
TRUESDAIL LABORATORIES INC.
Chemists and Bacteriologists
Authentic VITAMIN and PHARMACEUTICAL Assays and Research
520 W. Ave. 26 Los Angeles

Weiss and Downs, Inc.
CONSULTING ENGINEERS
Synthetic Phenol-Benzol, Toluol and other Coal Tar Products
50 East 41st Street, New York, N. Y.

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing in analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc.
Calvert and Read Streets, Baltimore, Md.

British Pharmacists Appeal For Monetary Contributions

The Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1., through its president, Walter Deacon, has inaugurated a war aid fund, from which monetary assistance may be given to members in dire need. The appeal of Mr. Deacon follows:—

Our society has had nearly one hundred years of activity, full of ups and downs, but its members have never had such an anxious time as today, hence this personal appeal.

It is on behalf of pharmacists in different parts of the country whose pharmacies are in ruins; on behalf of those carrying on, but under notice from the military authorities to pack and leave at any time; on behalf of managers and assistants and hospital pharmacists of long service with no work and some with no home.

Their burden must be shouldered by all of us in pharmacy and the society has opened a war aid fund to help them.

From this fund pharmacists and students hit by the war will be given aid generously, having regard to any help given or available from other sources. It may provide money to salvage furniture, fees to keep children at school, rent while a new start is made, clothes and other necessities.

Will you give what you can, remembering that this is an emergency calling upon you to be open-handed and very ready and generous in your giving.

We will acknowledge your gifts from the benevolent fund, but earmark them for war aid.

Canadian Radium Corp. Leases Office Space Here

The Canadian Radium & Uranium Corporation, representative of the Eldorado Gold Mines, Ltd., the world's largest producer and distributor of radium and uranium, will occupy offices on the sixth floor of the International Building, Rockefeller Center, this city.

Zinsser Heads Chemical Group in Charity Drive

Philadelphia, Jan. 31, 1941

John S. Zinsser, of Sharp & Dohme, Inc., has been named general chairman for the chemical division of the annual United Charities Campaign which got underway in this city this week, with the goal set at $4,000,000. Sydney Thayer, jr., of the Henry Bower Chemical Manufacturing Company, is vice-chairman. Chairmen of the various subdivisions are:—Heavy chemical group, S. C. Kelton, of the Rohm & Haas Company; pharmaceutical chemicals, Ralph Rohrman, of the Philadelphia Wholesale Drug Company; paints group, Walter A. Gorrell, of John Lucas & Co., and soaps group, John F. Keegan, of Fels & Co.

Trade Briefs

Valvoline Oil Company has sold its Mount Vernon, N. Y., bulk plant to the Power Oil Company.

Maurice Newton has been elected a director of Anaconda Copper Mining Co. succeeding Harry H. Moore, resigned.

Thomas B. McCabe, president of the Scott Paper Company, Chester, Pa., has been named to the directorate of Air Reduction Company, Inc., this city.

Frank W. Hugi, of Weaver & Hugi, Inc., broker in tallow, chemicals and packing house by-products, this city, has been elected to membership in the New York Produce Exchange. This gives the corporation two memberships in the exchange, S. Z. Weaver having joined in 1928.

Howard Kellogg, president of Spencer Kellogg & Sons, Inc., has been elected a director of the Buffalo Municipal Research Bureau for a three-year term.

A. E. Philips, recently vice-president and general manager of the Tea Garden Products Company, San Francisco, has been elected president of the White Rock Mineral Springs Company.

Herbert B. Faller, formerly with Robert Joseph, Inc., importer and exporter, this city, has joined the Commercial Steel & Chemical Corporation, this city, as manager of chemical sales.

Iodin Products, Inc., has been organized in Los Angeles, with 2,500 shares of no par value capital stock. The new corporation is represented by A. W. Wendt, 6331 Hollywood boulevard, Los Angeles.

R. W. Black, of the Standard Oil Company of New Jersey, this city, has been named chairman of the American Petroleum Institute's central committee on accident prevention for 1941. He succeeds J. Howard Myers, of the Atlantic Refining Company, Philadelphia.

Petroleum Products

Petroleum Solvents and Naphthas Remain in Strong Call—Crude Scale Paraffin Reduced — More Inquiries for Petrolatums —Pennsylvania Crude Oil and Bright Stocks Advanced

Petroleum naphthas and solvents continued to move at a strong pace during the week, with suppliers pressed to meet the heavy influx of new orders and shipping instructions. Aromatic naphthas remained in active demand, with certain grades very scarce and one, No. 40, unavailable. Propane and butane continued to set the pace in the lighter fractions division, with demand exceeding offerings.

Slack demand for crude scale wax prompted prominent suppliers to lower quotations. This move eliminated the price-shading that had been in the market for several previous weeks. More inquiries appeared in the market for petrolatums but actual business transacted remained light. Buyers apparently were unwilling to meet the posted prices. Interest in white mineral oils was conservative.

All grades of Pennsylvania crude oil were advanced except Corning. This marked the third rise in prices since last November. Pennsylvania bright stocks were advanced again, but the belief was that this represented a reflection of crude oil strength rather than any substantial increase in demand. Meanwhile, two bills were introduced in the Texas legislature, one which would levy a ten cents per barrel gross receipts tax on crude oil produced in the state, while the other called for a tax of two and three-quarters to four cents.

Price Changes

Advanced

Oil, lubricating, Pa., bright stocks, 1c. per gal.
Petroleum, crude, bulk, at wells, Pa., 15c. per bbl.

Reduced

Paraffin, crude scale, bbls., c.l., N. Y., 10 points per lb.

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas.—Strong demand for shipment continued to be present in the market. Certain materials, especially Nos. 8 and 30, were very scarce. No. 40 grade was unattainable. Prices firm and unchanged.

Cleaners' Naphtha. — Demand continued at a good level. Large volume of shipments was well maintained during the week. Contract call for deliveries remained strong. New business inquiries were more numerous.

Lacquer Diluent. — Movement was through rather narrow channels. This material is probably the least active in the group, lacquer manufacturers apparently being well supplied. Contract shipments were routine. Price was steady.

Mineral Spirits.—Buying interest remained at a high peak. Shipments were in large volume. Prices were steady.

Rubber Solvent.—Paint and rubber manufacturers remained actively interested in offerings. Contract call was insistent, and new business appeared in the market daily.

Stoddard Solvent. — Paint manufacturers were amply supplied, but there was still sufficient call for delivery to maintain the market at a firm level. Cleaning industry trade was routine. Price was steady.

V. M. & P. Naphtha. — Good call. Price steady.

Markets at Other Centers

Chicago—Jan. 31

Movement of materials in the bulk of the solvents and diluents market is somewhat mixed in trend but in the main volume is well maintained. Prices are revealing little basic tendency. Buyers for the most part are keeping themselves in conservative position.

AROMATIC NAPHTHAS.—Demand good, prices strong.

CLEANERS' NAPHTHA.—Quiet market, price unchanged.

LACQUER DILUENT.—Buying routine, quotations holding.

MINERAL SPIRITS.—Spotty condition, no change in price.

RUBBER SOLVENT.—Market marks time, price steady.

STODDARD SOLVENT.—Good inquiry. Quotations maintained.

V. M. & P. NAPHTHA.—Buying moderate, price stable.

New Orleans—Jan. 31

A firm tone continued to be evidenced in the domestic market on cleaning solvent and V. M. & P. naphtha, with quotations remaining unchanged.

CLEANING SOLVENT.—Demand routine; price unchanged.

V. M. & P. NAPHTHA. — Movement slow; no change in price.

San Francisco—Jan. 31

Orders from the aviation industry and other defense works under government influence continue to brighten the market on the Pacific Coast. Prices continue to run on schedule and are apparently firmly maintained in all phases. Materials under the general heading of petroleum thinners are of course the most active and the trade was in the market last week for requirements which ran along a parallel to the movement of the previous week.

AROMATIC NAPHTHAS.—Demand steady.

CLEANERS' NAPHTHA. — Movement narrow, as usual, but demand sustained.

PETROLEUM THINNERS.—A good demand in all classifications.

LACQUER DILUENT.—The situation was well sustained, demand running along the lines of the previous week.

V. M. & P. NAPHTHAS.—Market very firm, with new business placed along very fair lines.

RUBBER SOLVENT.—Fair.

STODDARD.—Unchanged. Active call noted from consumers.

Tulsa—Jan. 31

Industrial plants were more interested in the specialties this week. Paint manufacturers as well as tire makers were the outstanding bidders for materials. However, the market could not be termed buoyant, altnough prices were satisfactory. Buyers for shipment to the Chicago territory were still seeking concessions.

CLEANERS' NAPHTHA. — More activity. Prices steady.

STODDARD SOLVENT.—Increasing interest. Quotations unchanged.

RUBBER SOLVENT.—Tire manufacturers large takers. Prices firm.

V. M. & P. NAPHTHA.—Good volume of inquiries, shipments greater. Quotations steady.

LACQUER DILUENT.—Fair volume. Prices unchanged.

Lighter Fractions

Butane.—The heavy demand noted for several months continued last week as offerings became more and more limited. Supplies were scarce. Price strong.

Heptane. — Satisfactory movement reported. Price unchanged.

Hexane.—The market was routine. Demand and inquiries about normal. Price steady.

Octanes.—Fair business reported. Price firm.

Pentanes.—Shipments were noticeably heavier during the week. Suppliers were offering freely and takings were in good volume. Price firm and unchanged.

Propane.—Heavy demand, with offerings limited. Price strong.

Markets at Other Centers

Chicago—Jan. 31

Demand for most of the lighter petroleum fractions is reported fairly good. The market remains a little irregular. Buyers have filled most of the necessitous needs and are ordering in routine fashion in most of these products. Inquiry remains fair.

BUTANE.—Market tight, prices strong.

HEPTANE.—Considerable interest displayed, market unchanged.

HEXANE.—Dealings normal; market steady.

OCTANES. — Buying moderate. No change in price.

PENTANES.—Good demand. Quotations holding.

PROPANE.—Demand extensive, prices firm to strong.

Petrolatums and Waxes

Paraffin.—The slack demand for crude scale material resulted in a 10 point drop in prices early last week. Prominent refiners began offering material at 2.65c. to 2.75c. per pound. This reduction was prompted by the price-shading reported in the market for several weeks previous. The general tone was firm. Offerings were not extensive, but prospective buyers were encountering little difficulty in obtaining supplies.

Petrolatums.—The demand for these materials remained somewhat slow during the week. More inquiries appeared in the market, but these were mostly for small-sized lots. Prices were firmly maintained, but buyers appeared unwilling to accept quotations without resistance.

White Mineral Oils.—Buying was conservative. Shipments into consumption were mainly small in volume. Prices were unchanged.

Markets at Other Centers

Chicago—Jan. 31

Quietness is continuing in the petrolatums and waxes. Buying continues to be mostly routine, and of just about sufficient volume to keep materials moving to buyers to cover their nearby needs. In general there continued to be a preference for hand-to-mouth buying.

PARAFFIN.—Quiet market, prices easy.

PETROLATUMS. — Some interest reported at steady prices.

WHITE MINERAL OILS.—Slow demand, prices steady.

Tulsa—Jan. 31

Trading in paraffins and petrolatums is quiet. Lack of export business is still the main drawback. Quotations, however, are being held unchanged at recent prices.

PARAFFIN. — Trading quiet. Prices fair.

PETROLATUMS.—Volume low. Quotations unchanged.

Fuels and Lubricants

Gasoline.—Market quiet. Refinery prices unchanged.

Kerosene.—Good demand. Prices firm.

Lubricating Oils. — Pennsylvania bright stocks advanced 1c. per gallon to range of 14c. to 16c.

Crude Oil Price Changes

Pennsylvania prices were advanced 15c. per barrel to $2.30 for Bradford-Allegany and New York Transit Lines oil; $1.89 for oil in Eureka lines; $1.95 for oil in S. W. Penn lines and $2.18 to $2.23 for lower district crude. Corning grade was unchanged.

Markets at Other Centers

Chicago—Jan. 31

Spotty improvement in gasoline is reported but it is an uncertain market. Kerosene is steady. Lubricating oils have shown an improved market appearance and are attracting interest.

GASOLINE. — Tone unevenly better, prices unchanged.

KEROSENE.—Market holding, prices unchanged.

LUBRICATING OILS.—Demand better, prices strengthening.

New Orleans—Jan. 31

Domestic gasoline was along routine lines while interest in kerosene continued normal.

GASOLINE.—Demand routine; no price change.

KEROSENE.—Market slow, unchanged price.

Tulsa—Jan. 31

Concessions on gasoline are being granted. Curtailment in motoring is affecting trading.

GASOLINE. — Volume lower. Prices easing.

KEROSENE.—Demand large. Prices strong.

LUBRICANTS.—Broader demand. Prices strengthening.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Liq. Pet. Gas Ass'n, Feb. 24-25, Chicago.
Nat. Pet. Ass'n, April 25-26, Cleveland.

MASKING PERFUMES for BAD SMELLING PRODUCTS

- *DEPENDABLE*
- *EFFECTIVE*
- *ECONOMICAL*

JAVOLLAL — A substitute for citronella; imparts cleaner, finer odor.
METHALATE "C" — Replaces methyl salicylate in technical processes at low cost.
SAFRELLA — A low priced, effective substitute for artificial sassafras.
NEUTROLEUM — Completely neutralizes the odor of all preparations based on petroleum distillates.

Above deodorizing agents may be used in sprays, insecticides, germicides and other technical mixtures. Write for samples.

FRITZSCHE BROTHERS, Inc.
76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.

PETROLATUMS and WHITE OILS
. . . Buy Sherwood Buy Product Protection
SHERWOOD
PETROLEUM COMPANY, INC.
Englewood, N.J. Refinery, Warren, Pa.

NICKEL FORMATE
Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

Magnesium Trust Charges Indict 6 Firms

—*Continued from page* 3

American Magnesium Company, the Magnesium Development Company and the Dow Chemical Company with I. G. Farbenindustrie. The indictments allege that this has been accomplished by the following devices:—

By pooling the patents on the basic process of manufacture and fabrication in order to give three American corporations a virtual monopoly in the American magnesium industry.

By maintaining the domestic prices of magnesium so high as to discourage its use in the manufacture of airplanes, automobiles and other products.

By requiring concerns in America which use magnesium to purchase their full requirements from one source, to wit, the Dow Chemical Company, thus discouraging others from competing with Dow in the production of magnesium.

By limiting the sale of magnesium to a single British company. The indictments charge that the Dow Chemical Company and I. G. Farbenindustrie eliminated competition between themselves in Europe. This was accomplished by an agreement dated September 5, 1934, whereby I. G. Farben agreed to purchase certain quantities of magnesium from the Dow Chemical Company and the latter agreed that it would export no other magnesium to Europe except a specifically limited quantity to a I. G. Farbenindustrie licensee in England. In 1938 England imported 208 tons of magnesium from the United States and was dependent upon Germany for over 1,600 tons.

By an agreement between the I. G. Farbenindustrie and the Aluminum Company of America that neither would engage in the production of magnesium in the United States without offering the other party an equal participation. In no event would the producton exceed 4,000 tons yearly without the consent of I. G. Farbenindustrie.

Until 1933 the American Magnesium Corporation was a wholly owned subsidiary of the Aluminum Company of America, the true bills said. Since then it has been owned jointly by the Aluminum Company and General Aniline. The patent pooling was begun in 1932, the indictments said, when the Aluminum Company and I. G. Farben set up the Magnesium Development Corporation. The German dye trust is also charged with controlling the stock of General Aniline since 1929, and in having shared in the stock dividends of the American Magnesium Corporation.

The purpose of these indictments, government officials explained, is to destroy unlawful foreign restrictions on the domestic production of magnesium for defense purposes. It was further explained that there is today a shortage in the production of magnesium both in the United States and England. This shortage exists despite the fact that the raw metal is found everywhere in brine deposits, magnesite and sea water, it was said. Magnesium is one of the most important single factors in the production of military aircraft and bombs. It is one-third lighter than aluminum, and thus makes possible production of aircraft of lighter weight and equal strength. This fact has been known to Germany for some time, and as a result German production of magnesium has increased five-fold since 1938, the government contends. Although definite figures are not available, it is believed that German production in 1940 was somewhere over 25,000 tons annually. In contrast, American production in 1940 was only 6,000 tons.

I. W. Wilson, president of the American Magnesium Corporation and a vicepresident of the Aluminum Company of America, today said:—

The officers of the American Magnesium Corporation and the Aluminum Company of America are conscious of no violation of the anti-trust laws of the United States and confidently believe that a full presentation of both sides of this matter will reveal that there has been no wrongdoing whatsoever, but on the contrary that these companies have contributed greatly to the development of the magnesium business in this country. Expanding in the interest of national defense, these companies have multiplied their facilities for the fabrication of magnesium to more than ten times peace-time demands, and are now in process of even greater expansion. These companies have cooperated to the fullest extent possible with the defense authorities of the United States and they will continue to do so.

A representative of General Aniline denied that the company was "under any German control or influence whatsoever." Mr. Dow said that he did not know of any violation by the Dow company.

Chemists Advisers Discuss Financing

—*Continued from page* 3

organization supported by fellow chemists.

2. A coordinating organization for all efforts of local American Chemical Society sections, other chemical organizations, college placement bureaus, technical committees, etc.

3. A clinic in which we discover the basic causes of unemployment with a view to their cure. Fully 90 percent of all employment is through normal channels. Ours are the exceptional problems of the chemist about whom it is said: "He is a good man, but—!"

4. A force to remove bitterness and disillusionment and to counteract all subversive influences.

The treasurer's report, presented by the secretary in the absence of Robert T. Baldwin, showed that contributions had dropped almost to $2,000 in all last year and that the costs of operating had to be made up through loans. The expenses are two relatively small salaries, rent, and office running costs, aggregating little more than $5,000 a year.

The secretary, M. H. Bhagwat, reviewed some of the services provided during the past year and summarized the records of registrants with particular reference to those still enrolled. There was a division of opinion among the members whether this list had been reduced largely to unemployables. Mr. Bhagwat did not think so, and Frank G. Breyer emphasized the importance of the council's work to sustain the morale of unemployed and to preclude undesirable organization trends.

Several committees will be named to develop certain plans outlined for the future.

The council, which now has twenty-four members, an increase of five during the year (membership is by invitation) re-elected the following board of directors:—

Robert T. Baldwin, Frederick M. Becket, Marston T. Bogert, Frank G. Breyer, Gustavus J. Esselen, Walter S. Landis, William T. Read, Maximilian Toch, and Edward R. Weidlein.

The directors in a subsequent meeting re-elected the following officers:—

President, Prof. William T. Read, dean of the department of chemistry, Rutgers University, New Brunswick, N. J.

Vice-president, Dr. Gustavus J. Esselen, consulting chemical engineer, Boston.

Secretary, M. H. Bhagwat, 60 East Forty-second street, New York.

Treasurer, Robert T. Baldwin, New York.

Chairman of the executive committee, Dr. Frederick M. Becket, of the Electro-Metallurgical Company, New York.

Shell Union Oil Calls 5½% Preferred Shares

Shell Union Oil Corporation, this city, has called for redemption on March 1, 1941, at 105 percent and all dividends accumulated and unpaid to that date, all outstanding shares of its 5½ percent cumulative convertible preferred stock of the par value of $100 a share.

The funds required for this redemption are being provided from the corporation's treasury to the extent of over $10,000,000, while the balance has been supplied through the recent public offering of $15,000,000 of the corporation's twenty year 2¾ percent sinking fund debentures and $10,000,000 serial notes, maturing in one to twelve years and bearing interest of from .375 to 2.50 percent, according to maturity.

Allied Asphalt Expanding

Allied Asphalt & Mineral Corporation, this city, has enlarged its New York office, which is located at 217 Broadway. The company has also expanded its office at its Dunellen, N. J., plant, as well as increased its laboratory facilities.

George J. McGregor, Buffalo district sales manager of the Socony-Vacuum Oil Company, has been elected a director of the Greater Buffalo Advertising Club.

Diamond Alkali of Texas To Build Silicate Plant

The Diamond Alkali Company of Texas was incorporated recently to manufacture and distribute alkalies and other chemicals in Texas. The new company has taken over the Gulf Coast Chemical Company, and will continue to operate this established chemical business as a division. The main office of the Gulf Coast Chemical Division will be maintained in Houston, Tex., as well as branch offices in Dallas and other cities.

The Diamond Alkali Company of Texas has purchased a tract of land in Dallas at South Lamar and Lenway streets and within the near future will start the construction of a new plant to manufacture silicate of soda and silicate products.

Silicate of soda is manufactured in various forms from silica sand, soda ash and caustic soda. It is used in the manufacture of soap, corregated boxes, and in the dairy, laundry, paper and textile industries.

A contract for the erection of the new plant has been placed with the Rust Engineering Company, Pittsburgh, Pa. It is expected that the construction of the plant will be completed and operations commenced in August, this year.

The Diamond Alkali Company of Texas is a subsidiary of the Diamond Alkali Company. The latter company is a large manufacturer of soda ash, caustic soda, bicarbonate of soda, chlorine, carbon petrachloride and many other chemicals. The principal office of the Diamond Alkali Company is located in Pittsburgh, Pa., and the manufacturing plant is in Painesville, Ohio.

Other divisions of the company manufacture silicate of soda, bichromate of soda and calcium products. J. T. Richards is president of the parent company, and G. S. Cooper is vice-president, and F. W. Fraley is director of sales. For the Texas company, S. W. Walters, of Houston, Texas, is local manager of sales, and A. L. Geisinger, of Pittsburgh, Pa., is in charge of construction and manufacturing.

Bids Wanted

Castor Oil:—5,950 gallons; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5054, opening February 13.

Chlorine: — 1,800,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 879, opening February 4.

Cutting Oil:—Supplies of; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5110, opening February 13.

Drycleaning Solvent:—76,744 gallons; Contracting Officer, Materiel Division, Wright Field, Dayton; circular 1444, opening February 10.

Lacquer:—5,000 gallons; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 904, opening February 7.

Lubricating Graphite: — 26,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5107, opening February 14.

Lubricating Grease:—Supplies of; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5058, opening February 13.

Mercuric Oxide:—35,000 pounds for Norfolk, Va.; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5083, opening February 6.

Naphthalene:—22,000 pounds; Contracting Officer, Materiel Division, Dayton; circular 1444, opening February 10.

Paraffin:—116,000 pounds for Norrolk; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5126, opening February 7.

Petrolatum:—Supplies of; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5110, opening February 13.

Phenol, Crude:—10,000 gallons; General Purchasing Office, Panama Canal, Washington; schedule 4765, opening February 4.

Pyrethrum Concentrate: — 1,500 gallons; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5154, opening February 7.

Soapstone:—80 tons; U. S. Engineer Office, P .O. Box 60, Vicksburg, Miss.; invitation 110, opening February 5.

Soda, Caustic:—69,093 pounds; Navy Purchasing Office, 90 Church street, New York; schedule 3128, opening February 5.

Tallow:—120,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5034, opening February 13.

Cox Laboratories Formed

Cox Laboratories, 1265 North Vermont avenue, Los Angeles, Calif., has been formed by Joseph Cox. The company will manufacture cosmetics and pharmaceuticals. Mr. Cox was for twenty-five years laboratory manager for the Western wholesale division of McKesson & Robbins, Inc.

Chemical Payrolls Show Slight Gain

—*Continued from page* 3

bers for all manufacturing industries April 15, 1940, showed the following comparisons:—

	Dec. 1940.	Nov. 1940.	Dec. 1939.
Employment	116.2	114.6	107.8
Payroll totals	122.8	116.5	105.4

Employment in the chemical group of industries was 8.0 percent above the average of all industries. Payroll totals were 17.0 percent above the general average for industries.

Detailed Comparisons

Employment

(100 = 1923-25 average)

	Dec. 1940.	Nov. 1940.	Dec. 1939.
Chemicals	150.3	148.0	137.6
Cottonseed Oil, cake and meal	124.1	126.9	114.9
Druggists' preparations	115.5	119.2	118.8
Explosives	146.4	147.2	107.8
Fertilizers	95.4	92.2	102.2
Paint and varnishes	126.2	126.0	124.2
Petroleum, refined	119.4	120.7	122.3
Rayon and allied products	315.3	314.5	312.2
Soap	84.0	84.5	85.1

Payroll Totals

(100 = 1923-25 average)

	Dec. 1940.	Nov. 1940.	Dec. 1939.
Chemicals	188.1	181.7	162.9
Cottonseed oil, cake and meal	122.3	121.6	110.2
Druggists' preparations	130.3	130.8	132.2
Explosives	196.0	186.5	128.7
Fertilizers	81.0	77.1	82.2
Paint and varnishes	138.4	135.8	130.5
Petroleum	138.1	133.6	137.6
Rayon and allied products	335.1	331.4	314.0
Soap	105.5	100.2	102.1

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment.		Payroll totals.	
	Dec. 1940.	Nov. 1940.	Dec. 1940.	Nov. 1940.
Metalliferous mining	72.2	72.9	73.3	70.8
Quarrying and nonmetallic mining	45.5	47.4	42.8	42.6
Crude petroleum producing	60.9	61.4	55.8	56.5
Dyeing and cleaning	103.2	106.2	75.8	78.0

Employment in New York

Employment in factories producing chemicals and related products in New York State decreased 0.5 percent from November 15 to December 15, and declined 2.0 percent in the city, according to the records of the State Department of Labor.

General factory employment increased 1.4 percent from November 15 to December 15, and payrolls increased 5.1 percent during the same period. The department's index of employment for December 15 was 102.5. The payroll index was 106.7. These indexes are based on the average years 1925-1927 as 100.

	Percentages State	Percentages City
Drug and industrial chemicals	—0.3	—1.5
Oil products	—1.6	—2.3
Paints and colors	—1.5	—2.0
Photographic and miscellaneous chemicals	+0.1	—1.1

McK.&R. Trustee Gives Data on Reorganization

—*Continued from page* 5

easy to expand its drug business in Oklahoma, Pennsylvania, Maryland, and North Carolina, and its liquor business in eleven other States.

William J. Murray, first vice-president, on January 27 testified that the increased earnings of Mc K & R since 1937 were attributed largely to enactment of national fair trade laws which stabilized prices in the wholesale trade. He also said that two-thirds of the corporation's business is in wholesale drug sales. The other third is divided between the drug manufacturing and the liquor branches.

Pierpont Davis, investment banker, testified that Mr. Wardall's plan would insure a sound financial setup.

When all the testimony is in, the plan will be submitted to the Securities and Exchange Commission for examination and report. Before a plan is submitted to creditors and stockholders for approval, any other plan or plans, formulated by creditors committees or others interested in the proceedings will be inspected by the court and a date set to hear objections, if any, to the trustee's plan.

Fertilizer Materials

Organic Ammoniates More Active with Feed Stocks in Good Call — South American Supplies Scarce — Sulphate of Ammonia Production Up 23 Percent in 1940

Organic ammoniates continued to provide the most activity in the market for fertilizer materials last week. The call for feed stocks was stronger, and a tankage advance at New York resulted. Blood products were moving well. A few offerings of menhaden meal appeared at Baltimore, but scrap and Japanese sardine meal were virtually unattainable. Fish meal was advanced on the West Coast and supplies of that product, and of tankage, were so light that trading was done strictly on a day-to-day basis. Cottonseed meal was offered freely in the Southeast and a slight reduction was registered. Lack of freight space caused a scarcity of South American products.

Chemical fertilizer materials were moving as expected with offerings of many products limited. Supplies of potash salts were reported adequate for this fertilizer year and increased domestic production next year should offset the drop in imports. Sulphate of ammonia remained very scarce, although material was available at a high resale and export price. Preliminary figures indicate that 1940 production of sulphate of ammonia totaled 1,434,383,000 pounds, a gain of 23.6 percent over the 1939 figure of 1,160,548,000.

Nitrogenates

Ammonia Phosphate. — Fairly good call. Offerings curtailed. Price unchanged.

Cyanamid.—Little material available for spot shipments of new business. Price almost nominal.

Dried Blood. — Good call for feed stocks, but no change in price. Fertilizer grade steady and fairly active.

Fish Scrap.—No offerings of Chesapeake Bay menhaden or Japanese sardine meal reported. Prices nominal.

Nitrate of Soda.—Shipments larger. Contract call picking up. Prices firm and unchanged.

Nitrogenous Material.—Prices firm at Midwestern and East Coast producing points. Demand fairly large.

Sulphate of Ammonia. — Supplies scarce and offerings few. Strong export and resale call. Contract price firm. Spot price reported at about $41 to $42 per ton.

Tankage.—Feed grade advanced 15c. per unit at New York to $2.75 and 10c. Other prices steady. Demand fairly large.

Potashes

A few scattered orders for small amounts appeared in the market, but heavier buying had not as yet appeared. There was a good export and resale call, with price reported at about $40 per ton. According to prominent producers of domestic material, there is no surplus of stocks, but those on hand are expected to be sufficient for needs of the present fertilizer year. Increased domestic production next year should offset any drop in imports.

Phosphates

Bone Materials.—Good call for feed stocks, with fertilizer material moving moderately. Lack of freightage space has caused a slight scarcity of that material in this country. All prices were steady.

Phosphate Rock.—Good call reported, with shipments not especially large. Prices firm.

Superphosphate.—Offerings normal. Buying interest only fair. Prices steady.

Sulphur and Pyrites

Market for crude sulphur firm during the period under review. Offerings and demand normal. A bill has been introduced in the Texas legislature which would levy a gross receipt tax of $4 per ton on sulphur production. Another bill would levy a tax of $1.25 per long ton.

Price Changes

Advanced

Fish scrap, meal, 50c. per ton, f.o.b. Calif. ports.
Tankage, feed grade, 15c. per unit, f.o.b. Chi.

Reduced

Cottonseed meal, 8%, 50c. per ton, Southeastern mills

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.0	68.0	68.0	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Atlanta—Jan. 31

Trading is increasing but it has not reached any considerable proportions. From inquiries, it is judged that the demand for fertilizers in the Southeast will be greater this Spring than for the similar period last year.

NITRATE OF SODA.—Bulk, ports, $27 per ton.

SULPHATE OF AMMONIA.—Scarce, nominally $28 per ton, ports.

COTTONSEED MEAL.—$28.50 to $29 per ton, Southeastern mills.

BLOOD.—South American, $2.50 per unit, ports; $3 at Chicago.

TANKAGE.—South American, $2.75 and 10c., ports; $3 and 10c., Chicago.

NITROGENOUS.—$2 per unit, Midwestern producing points.

Baltimore—Jan. 31

The crude fertilizer material market continues quiet, with no change of consequence in quotations or in volume of business. Firmness has developed of late. Organic ammoniates seem on the point of staging an advance.

FISH SCRAP. — Menhaden meal is quoted at $58 to $59 per ton in carload lots, f.o.b. Baltimore, with supplies light.

SUPERPHOSPHATE.—There has been no change either in price or conditions. The market holds at $8 per ton for run-of-pile and $8.50 for 16 percent material.

TANKAGE. — The market continued quiet, with fertilizer material held by sellers at $2.50 and 10c. per unit-ton.

DRIED BLOOD.—The market is well sold up, with last trading reported at $2.75 per unit-ton. South American supplies are available at $2.50 per unit-ton, c.i.f.

BONE.—The market seems to be moving up, with 1 and 60 meal quoted at $37.50 per ton, c.i.f., for foreign. There is an absence of offerings of domestic 4½ and 50 ground raw.

SULPHATE OF AMMONIA.—The market is steady, with business done at $45 per ton.

Chicago—Jan. 31

Trade is fairly active, with values holding well in comparison with previously established levels. Buyers are showing interest. Blood has been moving moderately well. Tankage business is better. Bone materials have been moving in limited quantities.

BLOOD.—Principal grade, $3 per unit of ammonia.

TANKAGE.—High grade, feeding, $3 and 10c.; liquid stick, $1.25 to $1.50; hoof-meal, $2.70 to $2.80.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $33 to $35; 4½ and 50 percent, $30 to $32; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $30 to $35; beef cracklings, soft pressed, $32.50 to $35; pork cracklings, soft pressed, $35 to $37.50; hard pressed cracklings, per unit of protein, 60c. to 62½c.

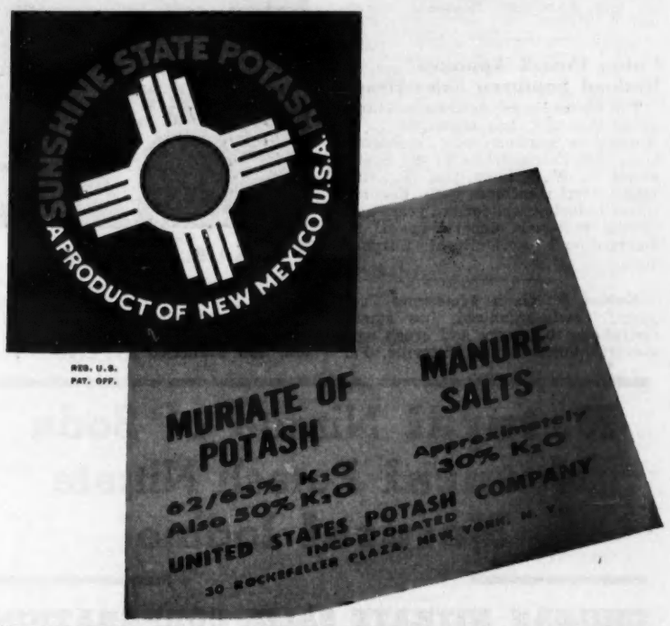
San Francisco—Jan. 31

A heavy influx of shipping instructions against former contracts appeared this week. The market registers strength, with advancing prices in organics. Fish meal moved up from $2.50 to $3 per ton in the face of a scarcity. Animal products were strong. California Sardine Products Institute reported

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

★ Domestic MADE IN U.S.A. SULPHATE OF AMMONIA AND AMMONIA LIQUOR
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.



DISRAELI HAD A WORD FOR IT

DISRAELI, Prime Minister during the British Empire's great expansion period of the last century, used to say that there was "no better barometer to show the state of an industrial nation than the figure representing the consumption of sulphuric acid."

Disraeli's word for it is as apt today as it was three-quarters of a century ago. A nation's productivity can be accurately measured by its output and use of sulphuric acid.

Supplying the raw material for sulphuric acid are our mines in Texas and Louisiana, and our ample stocks above ground of 99½ per cent pure sulphur, free from arsenic, selenium and tellurium. Experience gained in more than 25 years of operation assures our customers the utmost in speedy, dependable service.

FREEPORT SULPHUR COMPANY
122 East 42nd Street New York City

that for the period ending December 31, a total of 64,443 tons of fish meal had been produced for the season, against 68,058 tons at the same time last season.

SULPHATE OF AMMONIA.—Nominal, owing to absence of supplies.

SUPERPHOSPHATE.—Domestic, 80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c.

NITRATE OF SODA.—100-pound bags, $28.70 per ton. Bulk, $27.

FISH MEAL.—Market advancing and stronger owing to light production since first of year. Spot, 67 percent protein, $55 per ton, f.o.b. San Francisco, and 65 percent protein, $52.50, f.o.b. Monterey.

TANKAGE.—Strong. Supplies scarce. Some producers sold out for the present. Quoted at $3 and 10c. per unit-ton, f.o.b. plant. Dry rendered, ground, 50 percent, $38.50 per ton, f.o.b. cars, South San Francisco; 55 percent, $40 to $42. Unground, dry rendered, 65c. to 67½c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD.—Strong. Quoted at $3 to $3.10 per unit, f.o.b. cars, Northern California.

Union Potash Appoints Rutland Southern Sales Head

The Union Potash & Chemical Company, this city, has appointed J. W. Rutland as Southern sales representative, with headquarters in 494 Spring street, N. W., Atlanta, Ga. Mr. Rutland, long identified with the fertilizer industry, was for ten years head of the materials department of the International Agricultural Corporation.

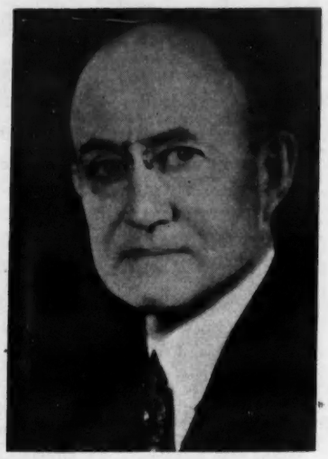
Nelson & Nixon Limestone Company, newly-organized, has started operations to quarry and crush agricultural limestone in Pittsville, Pa.

Obituaries

Karl S. Breckenridge

Karl S. Breckinridge, retired vice-president and director of the American Can Company, this city, died January 28 in Chicago. He was seventy-one years old.

A native of Ohio, Mr. Breckinridge joined the American Can Company



Karl S. Breckenridge

in 1901 as factory manager and local sales agent at Toledo. He later served as assistant general manager at Boston, San Francisco and Chicago and then as divisional superintendent at Toledo and Chicago. He was also general manager of manufacture at New York. In 1923 he was named a director and vice-president in charge of operations in the central district, with headquarters at Chicago. He retired December 31, 1940.

Benjamin H. Brewster Jr.

Benjamin H. Brewster, jr., president of the Baugh & Sons Company, and of the Baugh Chemical Company, manufacturer of fertilizers and chemicals, Baltimore, died January 28 in Boca Grande, Fla., where he had gone to recuperate from an attack of bronchitis. He was sixty-eight years of age.

Mr. Brewster was born and educated in Philadelphia and graduated from the University of Pennsylvania in 1891. The following year he joined the Baugh & Sons Company, serving as secretary from that year until 1901. From 1901 until 1928 he served as vice-president and was then named president. When the Baugh Chemical Company was formed Mr. Brewster was named to head the new firm.

Robert Leslie

Robert Leslie, Cincinnati district sales manager for Spencer Kellogg & Sons, Inc., died January 25. He was sixty-nine years of age.

Born in Hamilton, Ont., Mr. Leslie received his early education there and joined the Spencer Kellogg organization in 1901. He was later made general purchsaing agent, and in 1905 was made manager of the Cincinnati office.

Surviving are his wife, a daughter, a sister and two brothers.

Dr. Louis J. Gillespie

Dr. Louis J. Gillespie, professor of physical chemistry at the Massachusetts Institute of Technology, and widely known for his work in the fields of bacteriology, bio-chemistry, the chemistry of soils, thermodynamics and the mass action law for compressed gases, died January 24 in Boston. He was fifty-four years of age.

Dr. Gillespie received philosophy and doctor degrees from Brown University and, on graduating in 1911, held a two-year fellowship in bacteriology at the Rockefeller Institute for Medical Research, this city. At the same time he served as bacteriologist for the city's Board of Health. He then joined the Bureau of Soils of the Department of Agriculture, and in 1915 became bio-chemist in the Bureau of Plant Industry. He was a member of the American Association for the Advancement of Science, the American Chemical Society, the American Academy of Arts and Sciences and the Washington Academy of Science.

Dr. Eric Schuelke

Dr. Eric Schuelke, for sixteen years president of the Colloid Chemical Laboratories, this city, died January 28 in Hackensack, N. J. He was fifty-one. Dr. Schuelke held more than 300 patents on basic processes in the manufacture of rayon and artificial silk. He also invented dehydrol, a dehydrated form of castor oil used in making paints, and developed a battleship paint for the Navy which will last twice as long as older paints.

William F. Sommer

William F. Sommer, assistant traffic manager for E. I. du Pont de Nemours & Co., died in his home in Brooklyn January 28. He was fifty-three years of age.

Born in Brooklyn, Mr. Sommer started his business career as an office boy with the Grasselli Chemical Company in 1904. He subsequently became traffic manager for Grasselli, and following the consolidation of that company with the du Pont interests, Mr. Sommer was made assistant traffic manager of the parent company, in charge of traffic originating in New York.

Surviving are his wife, a brother and a sister.

Ward C. Belcher, former vice-president and general manager of Benjamin Moore & Co., paint manufacturer, this city, died January 24 after a short illness. He was fifty-nine years old.

Gilbert C. Halsted, who retired eight years ago as president of E. S. Halsted & Co., burlap bag manufacturing concern founded by his father in 1876, this city, died January 22 at his Brooklyn home. He was eighty years of age.

Hugo Henning, who was with the Barrett Roofing Company, this city, for thirty years until his retirement fifteen years ago, died in South Orange, N. J., January 26. He was eighty-two years of age. Mr. Henning was founder and former president of the Eastern Granite Roofing Company, Jersey City.

Stephen W. Milligan, former president of the Manufacturers Can Company, died in a hospital in Newark, N. J., January 30. He was seventy-four years of age. The Manufacturers Can Company was merged with the Continental Can Company about thirty years ago.

Mrs. Lydia S. Moore, widow of Harry D. Moore, a former executive of the Standard Oil Company of New York, died January 24 in this city. She was seventy-six years old.

Louis A. Sandlass, former advertising manager for Charles A. Vogeler, pharmaceutical manufacturer, Baltimore, died January 26 after a short illness. He was eighty-five years old.

W. Marcus Towne, research engineer, credited with the development of several processes in the zinc industry, died in a hospital in this city January 30. He was fifty-two years of age.

George P. Towns, founder and president of the Towns Paint Company, Buffalo, and former president and honorary member of the Buffalo Paint, Varnish and Lacquer Association, died January 23 at his home in that city. He was seventy years of age.

Natural Nitrate of Soda
Natural Potash Nitrate
Natural Iodine

CHILEAN NITRATE SALES CORPORATION
120 BROADWAY, NEW YORK, N. Y.

P. C. A. Red Muriate is ideal in plant operation--Uniform in color--Uniform in analysis--Uniform in grain size.
Muriate of Potash 50% and 60% Manure Salts
PCA
RED MURIATE

POTASH COMPANY of America
GENERAL SALES OFFICE
MERCANTILE TRUST BUILDING BALTIMORE, MARYLAND

SOUTHERN SALES OFFICE
MORTGAGE GUARANTEE BUILDING
ATLANTA, GEORGIA

THREE ELEPHANT
BORAX
AND
BORIC ACID
Purity Guaranteed Over 99.5%

The
AMERICAN POTASH & CHEMICAL CORPORATION
70 Pine Street New York
Stocks carried in principal cities in the United States and Canada

TRONA
MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

Shipping Information

All matter under this heading fully protected by copyright

Imports at U.S. Ports

New York Imports

AGAR—2 bls, Siber, Hegmen & Co, Kobe
33 bls, Kachurin Drug Co, Kobe
20 bls, Kobe

ALOE—20 cs, Selma Mercantile Corp, Port Prince

ALUMINUM FOIL—3 cs, L Lackow Co, Kobe
1 cs, Illinois Bronze Powder Co, Kobe

ANISE—100 bgs, Wah Young & Co, Kobe

ANTIMONY ORE—1,460 bgs, Banco Minero de Bolivia, Antofagasta
1,040 bgs, Bank of Manhattan, Antofagasta

ASBESTOS—315 bgs, Comm'l National Bank, Capetown
500 bgs, Johns Manville Corp, Durban
667 bgs, Keabby & Mattison, Beira
916 bgs, Asbestos Ltd, Lourenco Marques

BALSAM—5 bbls, Fritzsche Bros, Puerto Barrios

BANANA FLOUR—1 bg, Bunge North American Grain Co, Santos

BONE MEAL—1,000 bgs, Consolidated Chemical Industries, Buenos Aires

BRISTLES—121 cs, Pittsburgh Plate Glass Co, Tokio
15 cs, N Wagman C.o Tokio
55 cs, F H Cone & Co, Tokio
55 cs, Tokio
33 cs, F H Cone & Co, Tokio
50 cs, N Wagman Co, Tokio
4 cs, Aron Arnstein, Buenos Aires
10 cs, M Broverman & Son, Shanghai
45 cs, N Wagman Co, Shanghai
81 cs, Dairen
11 cs, F H Cone & Co, Tientsin
2 cs, Irving Trust Co, Tientsin
2 cs, F H Cone & Co, Yokohama
55 cs, Mitsubishi Shoji Kaisha, Tientsin
6 cs, H Rosenhirsch & Co, Kobe
8 cs, N Wagman Co, Kobe
54 cs, Irving Trust Co, Dairen
53 cs, Chesnut, Cooper & Co, Dairen
26 cs, National City Bank, Dairen
30 cs, Arnhold & Co, Dairen
50 cs, R Schwarz, Dairen
6 cs, Okura & Co, Dairen

BRONZE FOIL—7 cs, Illinois Bronze Powder Co, Kobe

CAMPHOR, REFINED—50 cs, Victory Shipping Co, Kobe
100 cs, Bridges, Neumer & Co, Kobe
70 cs, Woolworth & Co, Kobe

CARDAMOM—60 cs, P H Petry & Co, Puerto Barrios

CASEIN—1,000 bgs, American British Chemical Supplies, Buenos Aires
1,700 bgs, Casein Co of America, Buenos Aires
417 bgs, American Cyanamid & Chem Co, Buenos Aires
834 bgs, National City Bank, Buenos Aires
834 bgs, American British Chemical Supplies, Buenos Aires

GLUE—2 bgs, Carlos Garcia Mata, Buenos Aires

GROUND—834 bgs, American Cyanamid & Chem Co, Buenos Aires
50 bgs, A Hurst & Co, Buenos Aires

UNGROUND—2,000 bgs, American British Chemical Supplies, Buenos Aires
600 bgs, American British Chemical Supplies, Buenos Aires
1,052 bgs, Buenos Aires
2,000 bgs, American British Chemical Supplies, Buenos Aires

CASSIA—200 bls, A G Dunn, Shangai
200 bls, B H Old & Co, Dairen

CASTOR BEANS—3,082 bgs, Baker Castor Oil Co, Bahia
3,387 bgs, Bahia
847 bgs, Mitsui & Co, Bahia
1,700 bgs, National City Bank, Bahia
3,400 bgs, Baker Castor Oil Co, Bahia
1,700 bgs, Bahia
5,000 bgs, Baker Castor Oil Co, Bahia
1,700 bgs, Spencer Kellogg & Sons, Bahia
1,653 bgs, Baker Castor Oil Co, Bahia
1,700 bgs, Bahia
1,700 bgs, Baker Castor Oil Co, Bahia
1,665 bgs, Bunge North American Grain Co, Bahia
1,354 bgs, Baker Castor Oil Co, Bahia
6,000 bgs, Baker Castor Oil Co, Bahia
4,100 bgs, Mitsui & Co, Fortaleza
6,265 bgs, National City Bank, Fortaleza
1,570 bgs, Baker Castor Oil Co, Fortaleza
1,693 bgs, Guaranty Trust Co, Fortaleza
1,570 bgs, Baker Castor Oil Co, Fortaleza

CHAMOMILE FLOWERS—68 bls, E Meer & Co, Barcelona

CHILLIES—140 bgs, Mombasa
79 bgs, Mombasa
14 bgs, Zanzibar
100 cs, F & Ehrlich & Co, Tientsin

CHROME ORE—1,000 tons, E J Lavino & Co, Beira
1,999 tons, 17 cwt, 0 qr, 21 lbs, E J Lavino & Co, Lourenco Marques
4,750 tons, E J Lavino & Co, Beira

CINNAMON BARK—143 bgs, L A Chapman, Mombasa

CLOVES—300 bls, Geo Uhe & Co, Zanzibar
200 bls, Greene Trading Co, Zanzibar
100 bls, Zanzibar
300 bls, Geo Uhe & Co, Zanzibar
100 bls, Greene Trading Co, Zanzibar
100 bls, National City Bank, Zanzibar

COCOA BEANS—500 bgs, Middleton & Co, Port Spain
250 bgs, Middleton & Co, Port Spain
500 bgs, Kennedy, Butcher & Co, Trinidad
24 pkgs, Banque Belge pour l'Etranger, Matadi
572 bgs, Balfour, Guthrie & Co, Port Spain
250 bgs, Middleton & Co, Port Spain
250 bgs, Kennedy, Butcher & Co, Trinidad
1,000 bgs, W R Grace & Co, Bahia
4,500 bgs, Bahia
1,150 bgs, W R Grace & Co, Bahia
1,000 bgs, Guaranty Trust Co, Bahia
501 bgs, Curacao Trading Co, Puerto Plata
930 bgs, Curacao Trading Co, Puerto Plata
500 bgs, Curacao Trading Co, Trujillo
200 bgs, A Canale, Cristobal
300 bgs, Cristobal
250 bgs, A Canale, Cristobal
458 bgs, Cristobal

COCOA BEANS—12,000 bgs, Winnebah
6,400 bgs, Saltpond
1,000 bgs, Cape Coast
27,548 bgs, Takoradi
41,728 bgs, Accra
15,000 bgs, J Henry Schroeder Banking Corp, Ilheos
10,000 bgs, J Henry Schroeder Banking Corp, Ilheos
1,000 bgs, Bankers Trust Co, Ilheos
1,000 bgs, Chase National Bank, Ilheos
200 bgs, J Henry Schroeder Banking Corp, Ilheos
1,000 bgs, Chase National Bank, Bahia
2,000 bgs, National City Bank, Bahia
2,300 bgs, J Henry Schroeder Banking Corp, Bahia
4,500 bgs, J Henry Schroeder Banking Corp, Bahia
800 bgs, Bank of London-South America, Bahia
1,000 bgs, J Henry Schroeder Banking Corp, Bahia
250 bgs, Farr & Co, Trinidad
500 bgs, Antoni & Co, Campano
900 bgs, Campano
500 bgs, Banco de Venezuela, Campano
8,000 bgs, W Bartholomew & Co, Bahia
1,000 bgs, Chase National Bank, Bahia
1,000 bgs, Chase National Bank, Bahia
2,000 bgs, Wessel, Kulenkampf & Co, Bahia
850 bgs, W R Grace & Co, Bahia
2,400 bgs, W R Grace & Co, Bahia
2,750 bgs, W R Grace & Co, Bahia
2,000 bgs, W Bartholomew & Co, Bahia

COCONUT, DESIC—325 cs, Wood & Selick, Manila
445 bgs, Wood & Selick, Manila
1,121 pkgs, Durkee Famous Food, Manila
1,310 pkgs, Philippine Desic Coconut Co, Manila
600 cs, P Levy, Manila
300 cs, Balfour, Guthrie & Co, Manila
1,400 bgs, General Food Sales Corp, Manila
1,005 bgs, General Food Sales Corp, Manila
36 bgs, General Food Sales Corp, Manila
495 cs, Philippine Desic Coconut Corp, Manila
200 cs, Balfour, Guthrie & Co, Manila
277 cs, Philippine Desic Coconut Corp, Manila
1,148 pkgs, Durkee Famous Food, Manila
1,040 pkgs, Philippine Desic Coconut Corp, Manila
270 cs, Balfour, Guthrie & Co, Manila
500 cs, Balfour, Guthrie & Co, Manila

COCONUTS—125 bgs, I L Toledano Corp, Cristobal

COPAIBA BALSAM—60 cs, Wessel, Duval & Co, Belem
2 dms, Geo Uhe & Co, Cristobal

CORK, WOOD—139 bls, Wicander & Co, Lisbon
1,350 bls, Mundet Cork Corp, Lisbon
400 bls, Cox & Fahner, Lisbon
730 bls, Mundet Cork Corp, Lisbon
770 bls, Mundet Cork Corp, Lisbon
158 bls, Mundet Cork Corp, Lisbon

COTTON LINTERS—47 bls, Tradesmen Natl Bank & Trust Co, Huacho
488 bls, Hercules Powder Co, Santos
730 bls, Hercules Powder Co, Santos
1,608 bls, Santos

COTTONSEED MEAL—2,688 bgs, Swift & Co, Santos

CREAM TARTAR—200 cs, Standard Brands, Inc, Valparaiso

DERRIS ROOT CHIPS—83 cs, W M Allison & Co, Semarang

DIVI DIVI—800 bgs, Wessel, Duval & Co, Porto Prince
1,564 bgs, Curacao Trading Co, Curacao
663 bgs, Curacao Trading Co, Curacao
1,535 bgs, Curacao Trading Co, Curacao
666 bgs, National City Bank, Curacao

FILM SCRAP—26 bxs, Warner Bros Cellulose Prod, Inc, Montevideo

FISH LIVERS—500 tins, Japan

GLANDS BEEF SUPRARENAL—50 crts, Universal Transcontinent Foreign Servive, Buenos Aires
OPOTERAPIC—65 crts, S S Svendsen, Buenos Aires

GLUE, HIDE—100 bgs, Prague Credit Bank, Buenos Aires

GRAPHITE—700 bgs, Mitsui & Co, Kanmon
AMORPHOUS—4,000 bgs, Asbury Graphite Mills, Husan

GRASS, MED—5 bls, S B Penick & Co, Kobe

GUARANA—9 cs, Belem

GUM—5 bgs B H Lepow, Mombasa
ARABIC—61 bgs, Barclay Bank, Lagos
CHICLE—296 bls, Chicle Development Co, Puerto Barrios
1,248 bls, Mexican Exploitation Co, Progreso
270 bls, Chicle Development Co, Puerto Barrios
34 bls, Chicle Development Co, Puerto Barrios

COPAL—475 bgs, Banque Belge pour l'Etranger, Matadi
300 bgs, S Winterbourne & Co, Matadi
300 bgs, O G Innes Corp, Matadi
1 bg, P S Busschaert, Matadi
300 bgs, France, Campbell & Darling, Matadi
200 bgs, G W S Patterson & Co, Matadi
2 bgs, Far East Repr, Matadi
237 bgs, Banque Belge pour l'Etranger, Matadi
183 bgs, Banque Belge pour l'Etranger, Matadi
47 bgs, France, Campbell & Darling, Matadi
125 bgs, Stroock & Wittenberg, Matadi
45 bgs, Manufacturers Trust Co, Manila
37 bgs, Manufacturers Trust Co, Manila

DAMMAR—100 cs, National City Bank, Batavia
100 cs, Chase National Bank, Batavia
200 cs, Manufacturers Trust Co, Batavia
50 cs, Chase National Bank, Batavia
50 cs, O G Innes Corp, Batavia
100 cs, Stroock & Wittenberg, Batavia
50 bgs, Chase National Bank, Batavia
200 cs, Manufacturers Trust Co, Batavia
70 bgs, G W S Patterson & Co, Singapore

NESPERO—8 bgs, Chicle Development Co, Cristobal

NIGER—195 bgs, Chicle Development Co, Lagos

PENDARE—302 bls, Chicle Development Co, Ciudad Bolivar

GUM, PERILLO—85 bls, Chicle Development Co, Barranquilla

IODINE—960 kegs, Chilean Nitrate Sales Corp, Tocopilla

IPECAC ROOT—13 bgs, Wessel, Duval & Co, Cristobal

JALAP ROOT—17 bgs, Vera Cruz
40 bgs, Vera Cruz

KOLA NUTS—370 bgs, S B Penick & Co, Lagos
111 bgs, Barclay Bank, Lagos

LEAD CONC—453 bgs, Wedemann & Godknecht, Beira
424 bgs, Wedemann & Godknecht, Beira

LOOFAHS—45 bls, American Sponge & Chamois Co, Kobe

MANGANESE ORE—3 bgs, R W Greeff & Co, Batavia

MANGROVE BARK—2 bgs, L A Champon, Mombasa
145 bgs, Chase National Bank, Kilwa Kiswani

MANIOC MEAL—1,016 bgs, Irving Trust Co, Semarang
100 bgs, Java American Export Co, Rio de Janeiro
500 bgs, Bank of New York, Rio de Janeiro

MARJORAM LEAVES—130 bls, Gale T German, Arica
120 bls, Arica

MEDICINAL PREPS—1 cs, Schering Corp, Buenos Aires
4 cs, Milton Snedeker & Co, Havana
3 cs, E Fougera & Co, Havana

MICA—20 cs, Eugene Munsell & Co, Buenos Aires
63 cs, Asheville Mica Co, Buenos Aires
96 cs, Daniel F Young, Inc, Buenos Aires
84 cs, Ford Radio & Mica Corp, Rio de Janeiro
13 cs, Eugene Munsell & Co, Rio de Janeiro
68 cs, F D Pitts Co, Rio de Janeiro
61 cs, Silvio Gagume & Co, Rio de Janeiro
24 cs, Ford Radio & Mica Corp, Rio de Janeiro
4 cs, Pan American Trade Develop Corp, Rio de Janeiro
12 cs, Rio de Janeiro
5 cs, B Pitts, Luanda

MILLET SEED—200 bgs, H Schoenfeld & Sons, Buenos Aires
40 bgs, Levy & Levis Co, Buenos Aires
50 bgs, Banque Canadienne National, Buenos Aires

MINERAL CONC—359 bgs, W R Grace & Co, Barranquilla
137 bgs, W R Grace & Co, Cartagena

OIL, ANISE—20 dms, Bingham & Co, Kobe
CAMPHOR—50 dms, Dodge & Olcott Co, Kobe
10 dms, Ungerer & Co, Yokohama
5 dms, Lo Curto & Funk, Yokohama
5 dms, Fritzsche Bros, Yokohama
CITRONELLA—58 dms, Guaranty Trust Co, Batavia
72 dms, Batavia
32 dms, Batavia
COCONUT—584 tons, Balfour, Guthrie & Co, Manila
638 tons, Philippine Refining Corp, Manila
298 tons, Fels & Co, Manila
515 tons, Philippine Refining Corp, Cebu
591 tons, Philippine Refining Corp, Cebu
COD—50 bbls, Canada
2 kegs, Canada
50 dms, Canada
52 cks, Canada
FUEL—58,077 bbls, Albert Rice, Tampico
GERANIUM—3 dms, Banque Belge pour l'Etranger, Matadi
LAVENDER—4 dms, Norde Essential Oil & Chem Co, Alicante
3 dms, S H Hirsch, Barcelona
LAVENDER SPIKE—11 dms, Alicante
LIME DUST—34 dms, Dodge & Olcott Co, Port Spain
23 dms, Fritzsche Bros, Port Spain
LINALOE—2 dms, Vera Cruz
MANDARIN—6 cs, J Berlage Co, Rio Janeiro
NEROLI—1 bx, S H Hirsch, Barcelona
OITICICA—159 dms, W R Grace & Co, Rio Janeiro
50 dms, Dodwell & Co, Bahia
PALM—978 tons, 13 cwts, Balfour, Guthrie & Co, Matadi
1 dm, Hamilton Trading Co, Monrovia
316 ton, Banque Belge pour l'Etranger, Belawan Deli
307 tons, Guaranty Trust Co, Belawan Deli
316 tons, Banque Belge pour l'Etranger, Belawan Deli
293 tons, Guaranty Trust Co, Belawan Deli
PALMAROSA—2 dms, Guaranty Trust Co, Batavia
PATCHOULI—2 dms, Guaranty Trust Co, Batavia
4 dms, Batavia
PETITGRAIN—50 cs, W R Grace & Co, Buenos Aires
12 dms, Guaranty Trust Co, Buenos Aires
25 cs, Buenos Aires
50 cs, W R Grace & Co, Buenos Aires
50 cs, W R Grace & Co, Buenos Aires
ROSEWOOD—27 dms, Stern, Stiner & Co, Manaos
11 dms, Norda Essential Oil & Chem Co, Manaos
10 dms, Dodge & Olcott Co, Manaos
TANGERINE—10 cs, Geo Lueders & Co, Santos
VETIVER—3 dms, Guaranty Trust Co, Batavia
ORE—1 cs, American Cyanamid & Chem Co, Matadi
PAPRIKA—100 bgs, McLaughlin, Gormley & King, Alicante
25 bgs, Meadows, Wye & Co, Alicante
100 bgs, Knickerbocker Mills Co, Alicante
28 bgs, Meadows, Wye & Co, Alicante
100 bgs, Alicante
300 bgs, Panama Pacific Line, Alicante
150 bgs, Alicante
150 bgs, Alicante
100 bgs, Alicante
PEPPER, WHITE—494 bgs, Pangkal Pinang
PYRETHRUM FLOWERS—115 bls, Greene Trading Co, Dar Es Salaam
10 bls, Dodge & Olcott Co, Dar Es Salaam
125 bls, Robin Line, Trinidad
250 bls, Dar Es Salaam
10 bls, Dodge & Olcott Co, Dar Es Salaam
QUEBRACHO EXTRACT—1,213 bgs, International Product Corp, Buenos Aires
3,229 bgs, Tannin Corp, Buenos Aires
2,754 bgs, Tannin Corp, Buenos Aires
2,154 bgs, Tannin Corp, Buenos Aires
20 bdls, Tannin Corp, Buenos Aires

QUINCE SEED—23 bls, E Meer & Co, Malaga
RESIN—1 keg, P S Busschaert, Matadi
RHUBARB—84 bgs, C Itoh & Co, Tientsin
ROCK CRYSTALS—10 cs, Donald M Murray, Bahia
ROOT, MED—1 bx, W M Allison & Co, Bahia
RUTILE ORE—135 bgs, Rio Janeiro
SESAME SEED—56 bgs, Jewett & Sherman, Kobe
140 bgs, Levy & Levis Co, Kobe
70 bgs, M Cohen, Kobe
SILVER FOIL—1 cs, L Lackow Co, Kobe
SOAP BARK—82 bls, S B Penick & Co, San Antonio
306 bls, San Antonio
SODA, SILICOFLUORIDE—80 bbls, Hummel Chemical Co, Lisbon
SPONGES—24 bls, New York & Cuba Mail S S Co, Havana
11 bls, Havana
24 bls, Havana
16 bls, Havana
SUNFLOWER SEED—300 bgs, Levy & Levis Co, Buenos Aires
TALC—2,000 bgs, East Asiatic Co, Shanghai
2,000 bgs, C Itoh & Co, Dairen
2,000 bgs, Dairen
450 bgs, Kobe
133 pkgs, C B Chrystal & Co, Kobe
2,595 bgs, Whittaker, Clark & Daniels, Dairen
6,720 bgs, Whittaker, Clark & Daniels, Dairen
TANKAGE—1 cs, Wilson & Co, Santos
TANTALITE METAL—30 cs, Trust Co of North American, Bahia
TAPIOCA, FLAKE—428 bgs, Stein, Hall & Co, Sourabaya
FLOUR—250 bgs, Cheribon
1,000 bgs, Bank of New York, Rio Janeiro
46 bgs, Havana
500 bgs, W R Grace & Co, Semarang
500 bgs, Stein, Hall & Co, Cheribon
250 bgs, Stein, Hall & Co, Cheribon
500 bgs, Stein, Hall & Co, Batavia
1,100 bgs, American Cyanamid & Chem Co, Batavia
250 bgs, Cheribon
6 pkgs, Sino Java Hvg, Cheribon
750 bgs, Cheribon
1,080 bgs, Irving Trust Co, Batavia
274 bgs, Stein, Hall & Co, Sourabaya
500 bgs, Cheribon
200 bgs, American Cyanamid & Chem Co, Batavia
500 bgs, Semarang
255 bgs, American Cyanamid & Chem Co, Batavia
250 bgs, Cheribon
SEED—21 bgs, Stein, Hall & Co, Sourabaya
TIMBO ROOT—525 cs, Belem
44 cs, Wessel, Duval & Co, Para
36 cs, Wessel, Duval & Co, Para
TIN ORE—600 bgs, W & A Leaman, Duala
TOLU BALSAM—10 cs, M S Kattenhorn & Co, Barranquilla
50 cs, Pan American Export-Import Agency, Barranquilla
VANILLA BEANS — 2 cs, E B Henning, Mombasa
16 cs, Irving Trust Co, Batavia
26 cs, Catz American Co, Batavia
6 cs, Guaranty Trust Co, Batavia
71 cs, Catz American Co, Batavia
WATTLE BARK — 220 bls, Tannin Corp, Mombasa
1 050 bls, Tannin Corp, Mombasa
1,111 bls, Tannin Corp, Mombasa
EXTRACT—397 bls, Tannin Corp, Durban
219 bls, Tannin Corp, Mombasa
WAX—10 bls, Smith & Nichols, Montevideo
BEES—80 bgs, D Steengrafe, Santos
905 bgs, Balfour, Guthrie & Co, Bissao
59 bdls, R J Franco, Lobito
13 bgs, Trujillo
33 bgs, H H Pike & Co, Havana
29 bgs, Havana
37 bgs, Lopez, Serrano & Co, Havana
61 bgs, Duncan Fox & Co, Talcahuano
120 bgs, Duncan Fox & Co, Valparaiso
40 bgs, Duncan Fox & Co, Valparaiso
CARNAUBA—67 bgs, Lenape Trading Co, Bahia
56 bgs, American Cyanamid & Chem Co, Fortaleza
22 bgs, Philadelphia National Bank, Fortaleza
88 bgs, W R Grace & Co, Fortaleza
67 bgs, Brown Bros-Harriman Co, Bahia
41 bgs, Bahia
68 bgs, W M Allison & Co, Bahia
313 bgs, Strohmeyer & Arpe Co, Bahia
293 bgs, W M Allison & Co, Bahia
OURICURY—33 bgs, Strahl & Pitsch, Bahia
55 bgs, A Hurst & Co, Bahia
56 bgs, A Hurst & Co, Bahia
19 bgs, Chase National Bank, Bahia
53 bgs, Smith & Nichols, Bahia
VEGETABLE—100 cs, Strohmeyer & Arpe Co, Tientsin
100 cs, Smith & Nichols, Tientsin
300 cs, Kanmon
200 cs, Strohmeyer & Arpe Co, Tientsin
WOLFRAM ORE—440 bgs, Metal Traders, Inc, Arica
YEAST—1 pkg, Standard Brands, Santos
ZINC CONC—609,580 kilos, Cerro de Pasco Copper Co, Callao
ORE—1,077 tons, 9 cwt, African Metal Corp, Lobito
ZIRCONIUM ORE — 900 bgs, Philadelphia National Bank, Santos
400 bgs, Central Hanover Bank, Rio de Janeiro

New York Transit Imports

ASBESTOS—1,500 bgs, Union Asbestos & Rubber Co, Durban, Chicago
COCONUT, DESIC—141 cs, Cantinental National Bank Trust Co, Manila, Chicago
409 cs, Continental National Bank Trust Co, Manila, Chicago
500 cs, Phil Levy, Manila, Bridgeport
1,760 bgs, General Food Sales Corp, Manila, Bridgeport
GLANDS, BEEF SUPRARENAL — 5 tcs, Parke, Davis & Co, Buenos Aires, Detroit
21 cs, Parke, Davis & Co, Buenos Aires, Detroit
23 cs, Parke, Davis & Co, Buenos Aires, Detroit
3 tcs, Parke, Davis & Co, Buenos Aires, Detroit
QUEBRACHO EXTRACT—580 bgs, Tannin Corp, Buenos Aires, Ontario
350 bgs, Tannin Corp, Buenos Aires, Montreal
3,730 bgs, Tannin Corp, Buenos Aires, Huntsville, Ontario
WAX, OURICURY—113 bgs, Barclay Bank, Bahia, Montreal

Baltimore Imports

BONES—898 bgs, Buenos Aires
CHROME ORE—3,000 tons, Masinloc
COTTONSEED MEAL—60,485 bgs, Santos
IRON ORE—21,300 tons, Bethlehem Steel Co, Cruz Grande
MANGANESE ORE—2,546 tons, Busuanga
3,260 tons, Santiago, Cuba
MOLASSES—1,402,722 gals, Cuba Distilling Co, Nuevitas
OIL, FUEL—31,000 bbls, Standard Oil Co, N J, Aruba
PETROLEUM, CRUDE—68,233 bbls, Pan American Ref Corp, Las Piedras
103,477 bbls, Standard Oil Co, N J, Guiria
QUEBRACHO EXTRACT—20,622 bgs, Buenos Aires
TANKAGE—3,188 bgs, Buenos Aires
2,603 bgs, Buenos Aires
1,120 bgs, Santos
ZINC CONC—4,600 tons, Callao

Boston Imports

ASBESTOS—2,000 bgs, Johns Manville Corp, Durban
BLOOD, DRIED—650 bgs, Rio de Janeiro
BONES—880 bgs, Armour & Co, Santos
265 bgs, Armour & Co, Santos
704 bgs, Santos
CHILLIES—20 bgs, Volkart Bros, Kobe
CLOVES—50 bls, Geo Uhe & Co, Zanzibar
COCOA BEANS—1,000 bgs, Bank of Manhattan, Bahia
3,000 bgs, Chase National Bank, Bahia
300 bgs, Para
COTTON LINTERS—259 bls, Anderson, Clayton & Co, Fortaleza
133 bls, Anderson, Clayton & Co, Fortaleza
COTTONSEED MEAL—2,240 bgs, Armour & Co, Santos
GAMBIER CUBE—210 bgs, L Littlejohn & Co, Singapore
LEATHER WASTE—193 bls, H Remis & Co, Rio de Janeiro
218 bls, J Gorvers, Rio de Janeiro
ROCK CRYSTAL—5 cs, Davies, Turner & Co, Bahia
TANKAGE—1,000 bgs, Armour & Co, Santos
907 bgs, Armour & Co, Santos
TAPIOCA FLAKE—100 bgs, Stein, Hall & Co, Sourabaya
FLOUR — 1,370 bgs, Stein, Hall & Co, Sourabaya
1,480 bgs, Stein, Hall & Co, Sourabaya
539 bgs, Stein, Hall & Co, Sourabaya
1,000 bgs, Stein, Hall & Co, Cheribon
509 bgs, Stein, Hall & Co, Cheribon
1,088 bgs, Stein, Hall & Co, Cheribon
2,176 bgs, Stein, Hall & Co, Cheribon
250 bgs, First National Bank, Batavia
550 bgs, First National Bank, Batavia
1,088 bgs, Cheribon
PEARL—75 bgs, Stein, Hall & Co, Sourabaya
134 bgs, Stein, Hall & Co, Sourabaya

Charleston Imports

TAPIOCA FLOUR—1,096 bgs, Stein, Hall & Co, Sourabaya
515 bgs, Stein, Hall & Co, Sourabaya
150 bgs, Irving Trust Co, Semarang
100 bgs, Irving Trust Co, Semarang
250 bgs, H P Winter & Co, Cheribon
250 bgs, Cheribon
250 bgs, Irving Trust Co, Batavia
250 bgs, H P Winter & Co, Batavia

Jacksonville Imports

TAPIOCA FLOUR — 300 bgs, American Cyanamid & Chem Co, Batavia
350 bgs, Irving Trust Co, Semarang

Los Angeles Imports

AGAR—1,330 lbs, Tokyo
APRICOT KERNELS—160 lbs, Hongkong
CARDAMOM SEED—510 lbs, Guatemala City
CASSIA—6,670 lbs, Hongkong
CHILLIES—3,830 lbs, Juarez
CINNAMON QUILLS—5,000 lbs, Colombo
10,000 lbs, Colombo
COALTAR PROD—1 lb, Kobe
COCONUT, DESIC—26,730 lbs, Zamboanga
8,060 lbs, Manila
10,000 lbs, Manila
171,200 lbs, Manila
79,900 lbs, Manila
COPRA—1,120,000 lbs, Manila
MEAL—3,000 bgs, 300,000 lbs, Cebu
5,320 bgs, 532,000 lbs, Manila
7,500 bgs, 750,000 lbs, Cebu
CUMIN SEED—21,600 lbs, Karachi
DRUGS, CRUDE—60 lbs, Hongkong
FLEASEED—11,260 lbs, Bombay
GINGER ROOT—1,000 lbs, Hongkong
1,000 lbs, Hongkong
500 lbs, Hongkong
GUM, COPAL—11,200 lbs, Macassar
DAMMAR—4,480 lbs, Macassar
13,600 lbs, Batavia
INK, WRITING—30 lbs, Kobe
INCENSE—2 lbs, Peking
OIL, CODLIVER—123,750 lbs, Japan
PALM—683,900 lbs, Medan
PEANUT—1,080 lbs, Hongkong
1,080 lbs, Hongkong
SESAME—240 lbs, Hongkong
PALMKERNEL—672,000 lbs, Singapore
PEPPER, BLACK—68,400 lbs, Lampong
RICE FLOUR—80 lbs, Hongkong
SEAWEED—50 lbs, Kobe
40 lbs, Hongkong
SESAME SEED—5,000 lbs, Managua
1,600 lbs, Hongkong
TANKAGE—219,520 lbs, Buenos Aires
TAPIOCA FLOUR—33,500 lbs, Sourabaya
21,760 bgs, Sourbaya
3,850 lbs, Hongkong
SEED—22,400 lbs, Batavia
TOILET PREPS—50 lbs, Kobe
130 lbs, Yokohama

CLEANING MILLING
GUMS, DRUGS
FOOD PRODUCTS
To
Your Specifications
Try
Gruman's Service
Telephone Market 3-2491
J. B. GRUMAN CO.
St. Francis, Komorn and Maine Sts.
Est. 1854 NEWARK, N. J.

New Orleans Imports

GUM, CHICLE—62 tons, Belize
98 tons, Puerto Barrios

Newport News Imports

CHROME ORE—2,500 tons, E J Lavino & Co, Beira

Norfolk Imports

TANKAGE—2,000 bgs, Santos
TAPIOCA FLOUR—250 bgs, Philadelphia National Bank, Batavia
400 bgs, Irving Trust Co, Semarang

Philadelphia Imports

BLOOD, DRD—834 bgs, Buenos Aires
CHROME ORE—10,952 tons, E J Lavino & Co, Beira
COCONUTS—18 bgs, Universal Import & Export Co, Mayaguez
231 bgs, Edward Freeman, Inc, Mayaguez
101 bgs, Simon & French, San Juan
60 bgs, San Juan
COTTONSEED MEAL—2,220 bgs, Buenos Aires
FLUORSPAR—2,000 tons, R W Muller, Tjion
PETROLEUM, CRUDE—117,165 bbls, Gulf Oil Corp, Puerto la Cruz
119,897 bbls, Gulf Oil Corp, Puerto la Cruz
104,824 bbls, Gulf Oil Corp, Puerto la Cruz
82,296 bbls, Gulf Oil Corp, Puerto la Cruz
30,485 bbls, Gulf Oil Corp, Puerto la Cruz
30,152 bbls, Gulf Oil Corp, Puerto la Cruz
25,456 bbls, Gulf Oil Corp, Puerto la Cruz
90,000 bbls, Sun Oil Corp, Puerto la Cruz
TANKAGE—2,032 bgs, Buenos Aires

Savannah Imports

TAPIOCA FLOUR—276 bgs, Chase National Bank, Sourabaya
822 bgs, Stein, Hall & Co, Sourabaya
250 bgs, Stein, Hall & Co, Cheribon
250 bgs, American Cyanamid & Chem Co, Cheribon
200 bgs, Stein, Hall & Co, Cheribon
280 bgs, Stein, Hall & Co, Cheribon
250 bgs, Stein, Hall & Co, Cheribon
250 bgs, Stein, Hall & Co, Batavia
500 bgs, Irving Trust Co, Batavia
250 bgs, Cheribon

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Two Weeks Ended January 29

Almonds, bitter, 100 bags; restricted use.

Cassia oil, 30 drums; not U.S.P.

Eucalyptus oil, Formosan, 5 drums; restricted use.

Medicinal preparation, 2 cases; false therapeutic claims.

Nutmegs, 608 bags; restricted use.

Olive oil, 173 cases, 8 drums; not properly labeled.

Pollack liver oil, 643 drums; restricted use.

Thyme leaves, 154 bags; dirty.

Valerian root, 9 bags; not U.S.P.

Baltimore

Two Weeks Ended January 29

Gambier, 425 cases; restricted use.

Boston

Week Ended January 29

Cocoa beans, 900 bags; water damaged.

Codliver oil, 75 drums; not U.S.P.

Codliver oil, 11 barrels; non-desteari-nated and not so labeled.

Buffalo

Two Weeks Ended January 29

Medicinal preparation, 1 parcel; not properly labeled.

Denver

Two Weeks Ended January 23

Medicinal, 13 pieces; directions not given; manufacturers not given; ingredients not given.

Los Angeles

Week Ended January 23

Hair dye, 100 pieces; no warning statement.

Medicinal, 22 pieces; false therapeutic claims.

San Francisco

Two Weeks Ended January 23

Medicinal, 3 pieces; false therapeutic claims; inadequate directions for use.

Seattle

Two Weeks Ended January 23

Medicinals, 108 pieces; false therapeutic claims.

Medicinals, 104 pieces; false therapeutic claims.

Peanut oil, 30 pieces; short weight.

Exports from U.S. Ports

Baltimore Exports

LITHOPONE—112,000 lbs, India
SODA BICHROMATE—336,000 lbs, India

Los Angeles Exports

ACID, ACETIC—900 lbs, Mazatlan
BORIC—2,000 bgs, 224,000 lbs, Liverpool; 4,860 bgs, 544,320 lbs, Liverpool; 22 bgs, 2,200 lbs, Buenaventura
CRESYLIC—23,400 lbs, Cebu
MURIATIC—10 lbs, La Paz
NITRIC—20 lbs, La Paz
SULPHURIC—20 lbs, La Paz
TARTARIC—110 lbs, Mazatlan
AMMONIA—10 lbs, La Paz
CARBONATE—450 lbs, Mazatlan
ASPHALT—9 dms, 4,190 lbs, Guayaquil
SOLID—197 dms, 101,500 lbs, Balboa
BONE ASH—400 lbs, La Paz
BONEMEAL—2,020 lbs, Manila
BRONZE POWDER—10 lbs, Panama City
BORATE—6,593 bgs, 1,067,810 lbs, Liverpool
BORAX—2,000 bgs, 224,000 lbs, Liverpool; 10,200 bgs, 1,132,400 lbs, Liverpool; 66 bgs, 6,600 lbs, Buenaventura; 10 bbls, 3,000 lbs, Manila; 100 pkgs, 11,200 lbs, Mazatlan
GLASS—200 lbs, La Paz
CALCIMINE—4,200 lbs, Quito
CEMENT, HIGH TEMP—500 lbs, Manila
RUBBER—180 lbs, Hongkong
CLAY, BLEACHING—200 bgs, 10,000 lbs, Valparaiso
GROUND—1,030 sks, 106,120 lbs, Maracaibo; 180 bgs, 18,000 lbs, Maracaibo
CLEANER—1,280 lbs, Hongkong
CUMIN SEED—13,500 lbs, Havana
DIATOMACEOUS EARTH—1,641 bgs, 159,-010 lbs, Liverpool; 442 bgs, 44,850 lbs, Liverpool; 44 bgs, 4,400 lbs, Shanghai; 1,080 bgs, 108,000 lbs, Buenos Aires
GASOLINE—500 cs, San Jose del Cabo; 79,-637 bbls, Vladivostok
IODINE—200 lbs, Shanghai
LACQUER—230 lbs, San Juan; 720 lbs, Panama City; 920 lbs, Buenaventura
THINNER—10,480 lbs, San Juan; 880 lbs, Panama City; 3,440 lbs, Buenaventura
LITHARGE—1,000 lbs, La Paz
METHYL CHLORIDE—60 lbs, Port Prince
NAPHTHALENE, BALL—460 lbs, Mazatlan
OIL, COTTONSEED, HYDROG—189 bgs, 30,240 lbs, Manila
DIESEL—3,500 bbls, Coquimbo
ESSENTIAL—40 lbs, Shanghai
FISH—4,130 lbs, Albonito
LEMON—230 lbs, Shanghai
LUBRICATING—10 dms, Mayaquez; 50 dms, Shanghai; 20 dms, Manila; 7 dms, La Paz
ORANGE—50 lbs, Shanghai
PALM, HYDROG—38 sks, 6,000 lbs, Guaymas
VEGETABLE, HYDROG—2,000 bgs, 200,-000 lbs, Manila
OYSTER SHELLS—2,020 lbs, Manila
PETROLEUM, COKE—8,494,080 lbs, Kobe
POTASH BICHROMATE—300 lbs, Mazatlan
CHLORATE—5,000 lbs, Buenaventura; 17,-660 lbs, Manzanillo
MURIATE—1,000 bgs, 199,360 lbs, Mayaguez
RUBBER COMP—10,650 lbs, Hongkong
SENNA LEAVES—50 lbs, Mazatlan
SHELLAC—6,070 lbs, Dairen
SOAP—520 lbs, Bogota
SODA ASH—11,020 lbs, Mazatlan; 55,120 lbs, Manzanillo
BICARBONATE—1,100 lbs, Buenaventura
BISULPHITE—1,200 lbs, Buenaventura
CARBONATE—200 lbs, La Paz; 1,100 lbs, Buenaventura
SULPHATE—3,000 lbs, Manila
SULPHUR—77,000 lbs, Buenaventura
TALC—400 sks, 20,160 lbs, Caracas; 15 bgs, 3,360 lbs, Shanghai; 50 bgs, 5,000 lbs, Mazatlan
TANNERS' BATE—1,500 lbs, Buenaventura
TOILET PREPS—100 lbs, Panama City; 340 lbs, Quito; 450 lbs, Manila; 280 lbs, Batavia; 550 lbs, San Juan
WAX, STEARIN—100 bgs, 100,000 lbs, Manila
WOOD FILLER—110 lbs, Panama City

New Orleans Exports

ACETONE—6 tons, Colon
ACID, STEARIC—35 tons, Vera Cruz
ALUMINA SULPHATE — 107 tons, West Coast, South America
ASPHALT — 57 tons, West Coast, South America
BENZOL—1 dm, Celba
BLACK, EARTH—20 tons, Santiago
CLAY—60 tons, Cristobal
COLOR—6 tons, Havana
FERTILIZER—51 tons, Celba
GASOLINE — 13 tons, Bluefields; 51 tons, Belize; 70 tons, Celba
GLASS, WINDOW—33 tons, Cristobal
KEROSENE—13 tons, Bluefields; 36 tons, Belize; 63 tons, Puerto Barrios
LARD—12 tons, Cartagena; 35 tons, Santiago; 78 tons, Havana; 43 tons, Puerto Limon; 14 tons, Belize; 35 tons, Vera Cruz
LIME, HYDRATED—159 tons, Puerto Barrios
OIL, DIESEL—10 tons, Puerto Cortes; 136 tons, Belize; 56 tons, Puerto Cabezas
FUEL—273 tons, Celba
GAS—41 tons, Belize
OXIDE—26 tons, Havana
PARAFFIN—15 tons, Santiago
QUEBRACHO EXTRACT—31 tons, Havana
ROSIN—31 tons, Barranquilla; 12 tons, Puerto Limon; 46 tons, Cristobal
SALT—280 tons, Havana; 40 tons, Belize

Philadelphia Exports

ACID, SULPHURIC—2 cs, Shanghai
DYEWOOD EXTRACT—80 cs, 24 dms, Buenos Aires
ETHYL ACETATE—80 dms, Buenos Aires
LICORICE PASTE—30 cs, Rio de Janeiro
NITROCELLULOSE—16 dms, Hongkong
NICOTINE SULPHATE—15 cs, Santos
OIL, LUBRIC—700 dms, Manila; 20 dms, Shanghai; 90 dms, 55 cs, Hongkong; 1,123 cs, 297 dms, Santos; 72 dms, 653 cs, 3 bbls, Rio Grande; 290 cs, 599 dms, Montevideo
NEATSFOOT—10 dms, Buenos Aires
PARAFFIN—90 bbls, Manila; 225 bgs, Hongkong
RESIN, SYNTH—14 bbls, Rio de Janeiro; 13 bbls, 1 dm, Montevideo; 10 dms, Buenos Aires; 5 dms, Canton
SODA SULPHIDE—35 dms, Buenos Aires
SOLVENT—1 dm, Buenos Aires
TANNING EXTRACT—25 pkgs, 11 cs, 10 dms, Montevideo

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Canalization Tax:—The Colombian canalization tax, ranging from 1.50 pesos per metric ton on foodstuffs and articles of prime necessity to 12 pesos per metric ton on merchandise regarded as luxuries, has been reduced by one-fifth. The canalization tax is collected as a customs surtax on imports through the custom houses on the North coast of Colombia for transshipment to the interior.

Ceramics: — Uruguay has classified special clay for manufacturing ceramic products under the raw materials section of the tariff for a two-year period, to be exempt from import duty and subject only to a surtax of 4 percent of the c.i.f. Montevideo value.

Cottonseed:—Irac has made the exportation of cottonseed subject to license issued by the Grain Trade Regulating Board.

Floor Waxes:—Reich Chemical Board has placed restrictions on the manufacture and sale of floor waxes.

French Indochina:—A new schedule of import duties, applying to imports from all countries, including France, became effective in French Indochina January 1, 1941. The duties are wholly ad valorem, ranging from 5 percent to 130 percent in the minimum tariff. The general rates are three times the minimum. The list of products heretofore exempt from import duty, and the list of products the importation of which was formerly prohibited, remain substantially unchanged.

Oils and Fats:—Denmark has restricted the local use of animal and vegetable oils and fats, with the exception of tallow and lard.

Petroleum Products:—Permits to import petroleum products into Denmark will hereafter be issued only to members of a "Central" (group of firms with which the Danish import control authorities have concluded a special agreement).

Quebracho Extract: — United Kingdom has increased the rate of drawback of the import duty paid on solid insoluble quebracho extract used in the manufacture of certain soluble quebracho extract and blends of soluble quebracho extract from 1 shilling and 8½ pence to 2 shillings and 3 pence per hundredweight of 112 pounds.

Foreign Trade Openings

Corespondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Fertilizers:—1,000 tons; Saigon, French Indo-China; purchase (557).

Glycerin:—Alexandria, Egypt; purchase (557).

Naphthalene:—Alexandria, Egypt; purchase (557).

Phenolic Resins:—Cairo, Egypt; purchase (559).

Soda Bicarbonate:—Alexandria, Egypt; purchase (559).

Turpentine:—Alexandria, Egypt; purchase (559).

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—12,672 bbls, Richmond; 21,965 bbls, Richmond; 43,000 bbls, Seattle; 3,673 bbls, San Diego; 2,563 bbls, San Diego; 1,198 bbls, San Diego; 52,174 bbls, Seattle; 3,870 bbls, Seattle; 61,294 bbls, Portland; 1,421 bbls, San Diego; 1,872 bbls, San Diego

KEROSENE—7,000 bbls, Seattle

OIL, DIESEL—7,277 bbls, Seattle; 26,000 bbls, Seattle; 1,461 bbls, San Diego; 1,461 bbls, San Diego; 22,192 bbls, Seattle; 37,915 bbls, Seattle; 20,311 bbls, Portland; 1,431 bbls, San Diego

FUEL—60,370 bbls, Seattle; 68,407 bbls, Seattle; 64,533 bbls, Avon; 68,875 bbls, El Segundo; 2,300 bbls, Seattle; 66,889 bbls, Richmond; 2,409 bbls, Portland; 51,100 bbls, San Diego; 30,116 bbls, San Diego; 50,827 bbls, San Diego

FURNACE—31,280 bbls, Seattle; 70,593 bbls, Baltimore.

Habit-Forming Medicinals Named Under Drug Law

—*Continued from page 5*

Pentobarbital (5-ethyl-5-(1-methylbutyl)barbituric acid).
Mebaral (5-ethyl-5-phenyl-1-methylbarbituric acid).
Dial (5,5-diallylbarbituric acid).
Sandoptal (5-allyl-5-isobutylbarbituric acid).
Alurate (5-allyl-5-isopropylbarbituric acid).
Pernoston (5-sec-butyl-5-(2-bromoallyl)barbituric acid).
Evipal (1,5-dimethyl-5-(1-cyclohexenyl)barbituric acid).
Nostal (5-isopropyl-5-(2-bromoallyl)-barbituric acid.
Pentothal (5-ethyl-5-(1-methylbutyl-2-thiobarbituric acid).
Seconal (5-allyl-5-(1-methylbutyl)barbituric acid).
Proponal (5,5-dipropylbarbituric acid).
Pentenal (5-ethyl-5-cyclopentenylbarbituric acid).
Cyclopal (5-allyl-5-cylopentenylbarbituric acid).
Sigmodal (5-amyl-5-(2-bromoallyl)barbituric acid).
Butisol (5-ethyl-5-secondary-butylbarbituric acid).
Rutonal (5-methyl-5-phenylbarbituric acid).
Eldoral (5-ethyl-5-(1-piperidyl)barbituric acid).
Eunarcon (5-(2-bromoally)-5-isopropyl-1-methylbarbituric acid).
Rectidon (5-(2-bromoallyl)-5-(1-methylbutyl)barbituric acid).
Prominal (5-ethyl-5-phenyl-1-methylbarbituric acid).
Narconumal (5-allyl-5-isopropyl-1-methylbarbituric acid).
Delvinal (5-ethyl-5-(1-methyl-1-butenyl)-barbituric acid).

All lithium, sodium, potassium, magnesium, calcium, strontium, and ammonium salts of any such acids. The common or usual name of each such salt is the common or usual name under which such acid is herein listed preceded by the name of the basic ion with which it combined to form such salt.

Chemical Derivatives of Betaeucaine

All salts of betaeucaine formed by the combination of betaeucaine with any acid. The common or usual name of each such salt is "betaeucaine" followed by the name of the acid radical combined in such salt (as for example "betaeucaine sulphate"); except that when the acid is hydrochloric acid, hydrobromic acid, or hydriodic acid, the name which follows is "hydrochloride," "hydrobromide," or "hydriodide," as the case may be.

Chemical Derivatives of Bromal

Bromal hydrate (tribromoacetaldehyde hydrate).
Brometone (2-(tribromomethyl)-2-propanol).
Bromoform (tribromomethane).

Chemical Derivatives of Cannabis and Marihuana

Extract of cannabis.
Fluidextract of cannabis.
Tincture of cannabis.

Chemical Derivatives of Carbromal

Semormid (alpha-allylisovalerylurea).
Bromural (alphabromoisovalerylurea).
Neuronal (alphabromoalpha - alphadiethylacetamide).
Acetylcarbromal (alphabromo - alphaethylbutyrylacetylurea).

Chemical Derivatives of Chloral

Chloral hydrate (trichloroacetaldehyde hydrate).
Chlorobutanol (2-(trichloromethyl)-2-propanol).
Chloralimide (trichloroethylideneimine).
Chloralformamide (N-(betatrichloroalphahydroxyethyl)formamide).
Alphachloralose (alpha(betatrichloroalpha-hydroxyethyl)-d-glucoside).

Chemical Derivatives of Cocaine

All salts of cocaine formed by the combination of cocaine with any acid. The common or usual name of each such salt is "cocaine" followed by the name of the acid radical combined in such salt (as for example "cocaine sulphate"); except that when the acid is hydrochloric acid, hydrobromic acid, or hydriodic acid, the name which follows is "hydrochloride," "hydrobromide," or "hydriodide," as the case may be.

Chemical Derivatives of Codeine

Dicodid (dihydrocodeinone).
Eucodal (dihydrohydroxycodeinone).
Eucodin (codeine methylbromide).

Any salt of dicodid, eucodal, or codeine formed by the combination of any such substance with any acid. The common or usual name of each such salt is "dicodid," "eucodal," or "codeine," as the case may be, followed by the name of the acid radical combined in such salt (as for example "codeine sulphate"); except that when the acid is hydrochloric acid, hydrobromic acid, or hydriodic acid, the name which follows is "hydrochloride," "hydrobromide," or "hydriodide," as the case may be.

Chemical Derivatives of Heroin

All salts of heroin formed by the combination of heroin with any acid. The common or usual name of each such salt is "heroin."

Chemical Derivatives of Morphine

Dilaudid (dihydromorphinone).
Paramorphan (dihydromorphine).
Ethylmorphine.

Any salt of dilaudid, paramorphan, ethylmorphine, or morphine formed by the combination of any such substance with any acid. The common or usual name of each such salt is "dilaudid," "paramorphan," "ethylmorphine," or "morphine," as the case may be, followed by the name of the acid radical combined in such salt (as for example "morphine sulphate"); except that when the acid is hydrochloric acid, hydrobromic acid, or hydriodic acid, the name which follows is "hydrochloride," "hydrobromide," or "hydroiodide" as the case may be.

Chemical Derivatives of Opium

Extract of opium.
Fluidextract of opium.
Tincture of opium.

Chemical Derivative of Paraldehyde

Metaldehyde.

Chemical Derivatives of Sulphonmethane

Sulphonethylmethane.
Sulphondiethylmethane.

McK.&R. Seeks $1,500,000 From Price, Waterhouse

McKesson & Robbins, Ltd., of Montreal, Canada, on January 29 filed suit in Bridgeport, Conn., seeking $1,500,000 damages from Price, Waterhouse & Co., the accounting firm that audited the books of McKesson & Robbins, this city, in the period prior to exposure of the fraud perpetrated by F. Donald Coster-Musica. Thirty individual partners of the accounting firm were named defendants.

The suit alleges that the auditors were negligent in failing properly to investigate the condition of the Canadian company, and failed, therefore, to discover that almost all transactions on its books were fictitious and that many banks and agencies with which the firm was supposed to be doing business were imaginary.

A spokesman for Price, Waterhouse & Co., commenting on the suit, said that the Federal court in this city had accepted the accountants' settlement of $524,402, and that the trustee agreed, and the court confirmed, that the auditing company should be held liable only for that sum.

Hoffmann La Roche Plans Increase in Research

Hoffmann La Roche, Inc., Nutley, N. J., has filed with the Securities and Exchange Commission a registration statement covering a proposed offering of 150,000 shares of its participating convertible preferred stock of $20 par value and will be entitled to cumulative dividends of $1 per share before participating dividends. Net proceeds of the proposed sale are to be applied to the construction of a $1,000,000 laboratory for increased research facilities and to working capital.

Effective Association Functioning Essential

—*Continued from page 5*

tribution of trade statistics and other trade information because this type of work can be done most efficiently and economically only by such agencies.

Although many activities in which trade associations may lawfully engage might be mentioned—and their number is about limitless in scope—their variety depends primarily upon the specific needs of the industries serviced. Some of them may be enumerated as follows:—(1) Sales price activities; (2) sales promotion; (3) informational service; (4) statistics; (5) open pricing; (6) cost work; (7) general information for and education of members; (8) commercial service; (9) credit and collection service; (10) traffic and transportation; (11) trade practices; (12) legislative and governmental contacts; (13) technical service; (14) simplification and standardization; (15) inspection and grading; (16) industrial and scientific research; (17) employee relations; (18) cooperative buying and related cooperative purposes; (19) comprehensive activity of industry members; (20) general representation of the industry; (21) social and general educational work, and (22) legal advice on general industry problems.

Publicity of Statistical Data

It is the general policy of trade associations to make available to the public, or to those interested, their statistical reports. This refers only to compiled data and not to figures identified as to the members concerned, nor to individual unidentified results. In the Sugar Institute case, it was held that information may be gathered as to current or future prices, terms, and conditions, or freight applications, or any list or schedule of the same. The dissemination of this information to the purchasing and distributing trade, however, must be complete enough to provide them sufficiently with knowledge of the commercial conditions so as to give to them an equal advantage in the association's collected data, insofar as they have a legitimate interest therein.

The Supreme Court of the United States, in holding that information should be made readily, fully, and fairly available to the purchasing and distributing trade and to other persons having a legitimate interest therein, has not taken the position that all statistical data collected must be disseminated. It has indicated that details of information might be received that might rightly be treated as having a confidential character, in which distributors and purchasers would have no proper interest. This confidential information, such as cost data, credit information, and business volume of individual enterprises, need not be publicly circulated.

Trade associations ordinarily adopt the policy that statements showing fairly the prices, terms and conditions of sale as shown by price lists, and other types of statistical information gathered for industry distribution, will be sent to appropriate trade papers and journals, and to other private trade papers and periodicals for dissemination to the purchasing and distributing trade, and to the Department of Commerce, to the Federal Reserve Banks, and to any other governmental agency requesting them.

Unlawful Association Meetings

The Supreme Court of the United States held some years ago that the American Column & Lumber Company was guilty of violating the Sherman act because it was a party to a combination and conspiracy in restraint of trade which existed as a result of concerted action in curtailing production and in increasing prices. The court stated in that case that the record clearly indicated that the members of the combination were not satisfied to secure, each for himself, the price which might be obtainable even as the result of cooperative restriction of production, but that throughout the year they assiduously cultivated, through the letters of their secretary speaking for them all and through discussions at the meetings, the general conviction that higher and higher prices were obtainable and a disposition on the part of all to demand them.

In holding that the entire agreement of the manufacturers had a necessary tendency to suppress competition in the industry of linseed oil manufacturers, the court commented on the fact that, at subscriber's meetings regularly held, matters pertaining to the industry were discussed, members were "put on the carpet" and were subjected to searching inquiry concerning their transactions.

An indication as to what may be legitimately discussed at trade association meetings, however, may be gained from an examination of the opinion of the Supreme Court of the United States in the Cement Manufacturers case. In that case the court pointed out that association counsel was present at every meeting to steer the discussions away from illegal subjects, and to have them confine their matters of discussion strictly within the purview of the by-laws and the constitution of the association.

At the cement manufacturers' meetings, there was no discussion of current prices and no comment on conditions or as to the prospect of the market or prices. Excerpts from the minutes set out by the government's brief at great length indicated that from time to time individual representatives of the companies expressed themselves on subjects of minor importance, such as return of bags and bag reports, discounts, and the use of trade acceptances where customers desired more than the customary thirty days' discount. But with reference to the discussions, either no action was taken or action was taken adverse to the suggestions made. The court found that there was no evidence that any agreement was reached affecting any of the matters discussed.

Division of Territory

Little need be said about the illegality of the division of territory as a result of express or implied agreements or understandings or by concert of action. Briefly, a division of territory or market areas cannot be accomplished by agreement or understanding in any circumstances. Frequently, however, because of the nature of commodities and the impossibility of shipping them profitably any great distance, there may be a natural limit to the territory covered by an individual manufacturer or group of manufacturers. Other factors may effect a natural division of territory, such as geographical characteristics, limitation of shipping ranges because of the nature of perishable products, competing sources of supply of raw materials, and the like. Trade custom and usage sometimes create divisions of territory; such as the following example contained in correspondence between manufacturers are plainly in violation of law and amount to attempts at illegal division of territory or marketing areas by express or implied agreement:—

I do not know what I can do, only urge you men to keep off any competitive fights. I think one great thing to do would be to try to get all of the mills to respect each other's prices in the home towns.

(To be continued)

Queeny Starts Phosphorus Furnace

Edgar M. Queeny, president of Monsanto Chemical Company, St. Louis, closed the switch which started operations of a new, fourth electric furnace for the manufacture of elemental phosphorus at the company's Monsanto, Tennessee, plant. Witnessing the "switch throwing" is Felix N. Williams, plant manager. Monsanto now has the world's largest elemental phosphorus plant.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

AGGRESSIVE CINCINNATI chemical company with technical sales personnel seeks representation for southern Ohio and Kentucky. We not only service established users but try to develop new uses and outlets. BOX 350, Oil, Paint and Drug Reporter.

IF YOU are interested in being represented by an established firm in part of Ohio and Louisville, Kentucky, on pigments, vegetable oils, chemicals or related materials, please address BOX 352, Oil, Paint and Drug Reporter.

Businesses Offered

BUSINESS OFFERED.—Entire capital stock of small, well-established manufacturing business earning satisfactory profits is for sale. Price, complete details upon request. No sacrifice; cash deal. BOX 315, Oil, Paint and Drug Reporter.

MODERN, COMPLETE plant and equipment, including assets, sales, etc., of old-established paint, varnish, lacquer manufacturer in metropolitan area. All-cash deal. BOX 359, Oil, Paint and Drug Reporter.

Equipment Offered

SPECIALS FROM stock:—3, 8 and 40-gal. Day pony mixers; Ross 4 ft. 8 in. putty chaser; pebble and ball mills, laboratory to 1,000 gals.; A. T. & M. 10½ in. rubber-lined centrifugal, motor driven; 3 8 in. laboratory stone mills; colloid mills; Shriver 30 in. steam jacketed filter press; 5 26 in. stone mills with iron mill feeds; Day jumbo mixer, 680 gals.; filter presses, 12 in. to 36 in., cast iron and wood; dry powder mixers; vacuum pans, etc. Send for latest bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

PLANT LIQUIDATIONS:—Three powder mixers, 2,000 to 3,500 lbs.; three rotex sifters, 20 in. x 42 in., 20 in. x 48 in. and 20 in. x 84 in., single and double deck; Ing. Rand. vac. pumps, 18 in. x 6 in. and 8 in. x 5 in.; Bartlett & Snow vert. dryer, 6 ft. dia.; five 32 in. x 32 in. cast-iron filter presses; Tyler Hummer screen, 4 ft. x 5 ft.; Proctor 2-truck dryer; Oliver 3 ft. x ½ ft. lab. rotary filter; No. 7 and No. 10 Sweetland filters; U. S. lab. colloid mill; four 7x5 ft. pebble mills; 12x30 and 16x 40-inch 3-roll mills; 3 x 8 ft. rotary steam tube dryer; vacuum shelf dryers; vacuum pumps; No. 00, No. 0 and No. 1 Raymond mills; jacketed, agitated vacuum stills; kettles and tanks; Hammer mills; crushers and pulverizers; centrifugals; tablet machines, ½ in. to 2½ in.; filter presses to 36 in. sq.; disc filters; iron mills; portable agitators; rotary and centrifugal pumps, powder and paste fillers and mixers, bottle fillers and washers. Only partial listing. Write for liquidation bulletin L-17, chemical bulletin No. 128, and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

PEBBLE MILLS, 25, 50, 550 gallons; Proctor 2-truck dryer; 300-gallon rubber-lined kettle; 18 in. plate and frame, cast iron Sperry filter press; 12,000-gallon horizontal steel tank. Lawler Company, Metuchen, N. J.

Equipment Wanted

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixers, pulverizer. No dealers. BOX 356, Oil, Paint and Drug Reporter.

STANDARD-KNAPP carton gluer and sealer wanted for user. BOX 358, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY, one story, 75x100; concrete floor; 18-20 ft. headroom; railroad siding; live steam available 24 hours per day; unrestricted district in Brooklyn. The R. L. Kraft Company, Woolworth Building, New York City. COrtlandt 7-9377.

PAINT and varnish factory for sale, very reasonable; operating at present; moving to larger quarters; three varnish fires; building 50x100, yard 50x100; mezzanine; low rent; New York City. BOX 360, Oil, Paint and Drug Reporter.

Materials Offered

LUMINOUS CALCIUM is not new, but "Calux" luminous calcium pigment and paint with sensational all-night afterglow is. Numerous commercial uses. Absolutely safe. Employed extensively in England for illumination during blackouts. Sole manufacturers. American Luminous Products Co., Huntington Park, California.

CHILIAN-SALTCAKE 90% grade any quantity up to 7,000 tons bulk per month; immediate delivery subject unsold; 94-95% 3,000 tons monthly delivery five months. Business for 94-98% only on basis of contract minimum 36,000 tons one year. F.O.B. quotations preferred, but C.I.F. available. Flinn, Blandford & Co., Ltd., Casilla 1837, Santiago de Chile. Cables: Flinn Santiago.

RARE ORGANIC chemicals—Research, analytical, aa dipyridil, selenates, l-rhamnose, other rare sugars. Fine pharmaceutical chemicals; colloidal metallic bismuth, quinine iodo bismuthate, methionates, alloxan, 2 amino thiazole, camphoric acid, phenyl arsonic acid, ethyl and other organic iodides. Small lots of chemicals made to order. Estimates upon request. International Trade Company, 79 Wall street, New York City.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

Positions Vacant

WANTED—A man experienced in manufacturing or blending waxes or resins. BOX 346, Oil, Paint and Drug Reporter.

EXPERIENCED MAN wanted, not above 30 years of age, to handle chemical department of important export house to South America. Kindly state past experience and salary expected. All information will be treated with strict confidence. Write under "South America," BOX 347, Oil, Paint and Drug Reporter.

CHEMIST WANTED — Manufacturer in New York City wants chemist with experience in research and formulation of oil and casein paints. Send application, giving all details, to BOX 348, Oil, Paint and Drug Reporter.

MIDWEST CHEMICAL manufacturer with line of excellent textile oils and finishes, seeks man thoroughly familiar with textile chemistry and operations to develop sales in New England and Southern territories. The proper man will eventually be put in charge of this end of the business and given part interest in the company. Must be able to finance himself from liberal commissions until line is established. In reply give complete experience outline and references. BOX 349, Oil, Paint and Drug Reporter.

EXPORT FIRM has position open in pharmaceutical department. Must be thoroughly experienced and qualified to assume complete charge. State qualifications and full details. Replies held strictly confidential. BOX 354, Oil, Paint and Drug Reporter.

Positions Wanted

BACTERIOLOGIST and chemist, thoroughly experienced in production, distribution, and advertising of vaccines, bacterial antigens, bacteriophages, ointments, and other biological and pharmaceutical products. Young, able, energetic. Good record. BOX 333, Oil, Paint and Drug Reporter.

CHEMIST, thoroughly experienced in organic, inorganic, and pharmaceutical analysis, desires permanent position with research, pharmaceutical, food, or industrial laboratory. B.S. '39, post-graduate work. BOX 351, Oil, Paint and Drug Reporter.

PHARMACEUTICAL-BIOLOGICAL salesman, detail man, with fine record, wishes connection with first-class firm; willing to consider representation on part-time basis; highest type references. BOX 353, Oil, Paint and Drug Reporter.

Positions Wanted

I KNOW a man you might like to know. He is under 50. Has courage, conscience and sense. Workers under him gladly give their best. Primarily an executive with a fine balance between the technical and business requirements of an enterprise. Someone has a need this man ought to fill exceptionally well in coordinating sales, production and research. Loyal beyond question. I serve no self-interest in this act of cooperation. To valid inquiry I will gladly furnish his name. BOX 357, Oil, Paint and Drug Reporter.

PHARMACEUTICAL CHEMIST, medical detailer, Columbia graduate, B.S. 1936, age 25, 3½ years' experience analysis of pharmaceuticals, foods, cosmetics, soaps, liquors; several months' experience medical detailing, sales service in New York City and Long Island areas. BOX 355, Oil, Paint and Drug Reporter.

PAINT SALESMAN wishes to contact reliable manufacturer of paints and kindred materials suitable for the metropolitan market; have ample experience and a large following amongst the paint consumers in Greater New York. BOX 362, Oil, Paint and Drug Reporter.

Real Estate

"L" BUILDING, four story and cellar, 178 Front St.—148 John St., New York City. Electric, elevators, shipping platforms in front each building. Square ft., 8,500. One of best buildings on block. Exceptional importing and exporting business. Keys Androvette, 277 Water, New York City, or your own broker.

Services Offered

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

WE WILL help you to find the right outlet for any complex metal, mineral or by-product. BOX 361, Oil, Paint and Drug Reporter.

Surplus Stock

CHECK INVENTORIES! We purchase any quantity surplus, chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

GUARANTEED
NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND PROCESS INDUSTRIES

FIRST MACHINERY CORP.

FMC

9th St. & EAST RIVER DRIVE
NEW YORK CITY

Chem. Engineers Wanted

Chemical engineers are being sought by the United States Civil Service Commission. It is stated that various grades of positions are open, with salaries ranging from $2,600 to $5,600 a year, less retirement deduction of 3½ percent. Engineers with experience in strategic minerals research are especially needed by the Bureau of Mines, while the Department of Agriculture is said to require persons experienced in the industrial utilization of surplus agricultural products.

Applicants must have completed a four-year college course, with major study in engineering. Professional service in chemical engineering is also required. Further information and application forms may be obtained from the Secretary of the Board of U. S. Civil Service Examiners at any first-or-second-class post office, or from the U. S. Civil Service Commission, Washington, D. C.

PAINT EQUIPMENT

2—Day 3-Roll Mills, 5x12" and 12x32".
1—Sperry 24x24" Filter Press, 48 Plates.
10—Stone Mills, 20" and 36".
3—Pony Mixers, Laboratory, 8 and 15-gals.
2—Copper Jacketed Kettles, 150-gals.
13—Copper Varnish Kettles with Trucks, 150-gals.
2—DeLaval No. 600 Centrifuges.
16—Agitator Tanks, 150, 250, 300-gals.
25—Rotary Pumps, 1½", Foster & Blackmer.
1—Worthington Air Compressor, 7x7", 20 H. P. Motor.
1—Gardner Air Compressor, 160 ft., 25 H. P. Motor.
50—Steel Tanks, from 1,500-gals. to 20,000-gals.

In addition, a Complete Stock of Machinery for the Chemical and Allied Industries

R. Gelb & Sons, Box 25, Clinton Hill Sta. Newark, N.J.
Tel. BIgelow 3-2550

COME TO MACHINERY HEADQUARTERS—

To save Money and Time - - -

SPECIAL ITEMS FROM STOCK

2—Devine 5 ft. by 33 ft. Rotary Vacuum Dryers; other sizes from 2' x 6' up.
1—Louisville 4 ft. 6 in. by 20 ft. Steam Tube Dryer.
12—Vacuum Shelf Dryers, all sizes.
1—Zaremba Triple effect Evaporator, 2,100 sq. ft. per effect.
1—9 ft. Copper Vacuum Coil Pan.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2,000 gal.
7—3-roll Roller Mills, up to 16 by 40.
1—6' underdriven Putty Chaser, double rollers.
1—5' by 22" Hardinge Conical Ball Mill.
12—Ball Mills, 10 gal. to 500 gal.
2—Shriver 32 in. x 32 in. castiron Filter Presses, recessed, center feed, 30 plates; other sizes from 7" x 7" to 42" x 42".
1—Oliver 8 ft. x 12 ft. Rotary Continuous acid proof Filter.
2—Dopp Jacketed Kettles—500, 650 gals.
1—700 gal. Duriron jacketed Kettle.
1—Day 80 gal. Brighton Change Can Mixer.
1—No. 10 Sweetland Filter, 2" c.c.; others all sizes.
14—Centrifugal Extractors, 16" to 60".

We Buy Idle Machinery for Cash Send Us a List

Send for Latest Issue of Consolidated News

LIQUIDATIONS

1,000,000 bbl. Cement Plant
CASTALIA PORTLAND CEMENT CO.
Castalia, Ohio

Machinery of the Famous
WOOLSEY PAINT CO.
Jersey City, N. J.

Very modern plant of
AMERICAN SOYA PRODUCTS CO., Evansville, Ind.

Send for illustrated bulletins listing the equipment in these plants. Arrange to inspect. Representative on premises.

CONSOLIDATED PRODUCTS CO., Inc.
13-18 Park Row - - New York, N.Y.
SHOPS, 335 Doremus Avenue, Newark, N. J.

A. F. Yeager, of E. I. du Pont & Co., left last week on a Caribbean cruise.

Index to Advertisements

Advance Solvents & Chemical Corp.. 66
Alabama Charcoal Co.... —
Alexander, Jerome.... 56
Allied Asphalt & Mineral Corp.... —
American Agricultural Chem. Co.... 1
American-British Chem. Supplies, Inc. —
American Can Co.... —
American Chemical Co., Inc.... 50
American Cyanamid & Chemical Corp. 14, 15
American Flange & Mfg. Co.... 8
American Potash & Chemical Corp... 60
American Turpentine Farmers Assn. Cooperative .... —
Anderson Prichard Oil Corp.... —
Angus, W. W., Inc.... —
Apex Chemical Co., Inc.... —
Asbestos Corp. of America.... 42
Association of Consulting Chemists and Chemical Engineers, Inc.... 56
Atlantic Coast Fisheries Corp. of N. Y. 50
Atlas Powder Co.... —

Baker, J. T., Chemical Co.... 49
Barber Asphalt Corp.... 44
Barium & Chemicals, Inc.... 34
Barium Reduction Corp.... 32
Barrett Company....36, 59
Bemis Bro. Bag Co.... —
Benzol Products Co.... 50
Berk, F. W., & Co., Inc.... —
Bradley, A. J., Mfg. Co.... 44
Brighton Copper Works.... —
Brode Corp., The.... 46
Bromund, E. A., Co.... —
Bureau of Chemistry.... 56
Burke, Edw. S.... 50
Bush, W. J., & Co., Inc.... —

Calco Chemical Div.... —
Calif. Fruit Growers Exchange.... —
Capital City Products Co.... 46
Carbide & Carbon Chemicals Corp.... 2
Carey, The Philip, Co.... 52
Chemical Solvents, C. P., Inc.... 66
Chilean Nitrate Sales Corp.... 60
Chipman, R. N., Co., Inc.... —
Church & Dwight Co.... 32
Coastwise Petroleum Co.... 38
Colgate-Palmolive-Peet Co.... 51
Colledge, E. W., Gen'l Sales Agent... —
Colton, Arthur Co.... 42
Columbia Chemical Div.... —
Consolidated Products Co., Inc.... 64
Commercial Solvents Corp.... —
Consumers Import Co., Inc.... 49
Continental Can Co.... —
Cowles Detergent Co.... —
Crosby Naval Stores, Inc.... —
Crown Can Co.... 19
Crown Oil Products Corp.... —

Darling & Co.... —
Day Chemical Company.... 56
Desert Chemical Co.... 34
Diamond Alkali Co.... 33
Dickhart, W. H.... 56
Dodge & Olcott Co.... —
Doggett, Stanley, Inc.... 42
Dow Chemical Co.... —
Dunkel, Paul A., & Co., Inc.... 54
DuPont de Nemours, E. I., & Co., Inc. 65
Durez Plastics & Chemicals, Inc.... 29

Eastman Kodak Co.... 51
Edwal Laboratories, Inc.... —
Ehrlich, J.... 56
Electro Bleaching Gas Co.... 11
Ellis-Foster Co.... 56
Emery Industries, Inc.... 46

Fairmount Chemical Co., Inc.... —
Felton Chemical Co., Inc.... —
Fezandie & Sperrle.... 35
First Machinery Corp.... 64
Food Research Laboratories, Inc.... 56
Frank-Vliet Co., Inc.... —
Franks Chemical Products Co.... 42
Freeport Sulphur Co.... 59
Fritzsche Bros., Inc....54, 57
Fulton Bag & Cotton Mills.... 65

Gartenberg, H., & Co.... 35
Gelb, R., & Sons.... 64
General Drug Company.... 20
General Dyestuff Corp.... —
General Electric Co.... 28
Genuine Tilly Haarlem Oil Co.... 51
Georgia Kaolin Co.... —
Gesell, R., Inc.... —
Givaudan-Delawanna, Inc.... 66
Gray, William S., & Co.... 1
Gray Industrial Laboratories.... 56
Greeff, R. W., & Co.... 51
Gross, A., & Co.... 45
Gruman, J. B., Co.... 62

Hallowell, Horace J.... 56
Hardesty, W. C., Co., Inc.... —
Harshaw Chemical Co.... —
Heekin Can Co.... —
Heyden Chemical Corp.... 40
Holt, C. J., & Co., Inc.... 56
Hooker Electrochemical Co.... —
Hopkins, J. L., & Co.... 53
Horn, Jefferys, & Co.... 42
Huisking, Chas. L., & Co.... 50
Hutchinson, D. W., & Co., Inc.... 55

Imperial Paper & Color Corp.... 43
Independent Mfg. Co.... —
Industrial Consulting Labs., Inc.... 56
Innis, Speiden & Co.... —
International Pulp Co.... —
Irvington Smelting & Refining Works 32

Jackle, Frank R.... —
Jones & Laughlin Steel Corp.... —
Jungmann & Co., Inc.... —

Kachurin Drug Co.... —
Kelco Co.... 53
Kentucky Color & Chemical Co.... 42
Kessler Chemical Co., Inc.... —
Knight, B. H.... 56
Koppers Company.... 37
Krebs Pigment & Color Corp.... —
Laning, E. M., Co.... 56
LaWall & Harrisson.... 56
Leonhard, Theodor, Wax Co.... 47
Lueders, George, & Co.... 55

Magnus, Mabee & Reynard, Inc.... 55
Mallinckrodt Chemical Works.... 6
Mantrose Corp.... —
Marine Magnesium Products Corp.... —
Mathieson Alkali Works, Inc.... 24
Mathieu, A. H., & Co.... 32
McKesson & Robbins, Inc.... —
Merck & Co., Inc.... 48
Metallurgical Products Co.... 34
Metasap Chemical Co.... 41
Meyer, Herman, Drug Co., Inc.... —
Mills, Zophar, Inc.... —
Minnesota Specialty Co.... —
Molnar Laboratories.... 56
Monsanto Chemical Co.... —
Munch, James C.... 56
Mutual Chemical Co. of America.... 35

National Aniline & Chemical Co., Inc. —
National Lead Co.... —
National Milk Sugar Co.... 50
National Rosin Oil & Size Co.... 42
Natural Products Refining Co.... 35
Neuberg Chemical Corp.... 50
Neville Co.... 28
New Jersey Zinc Co.... 27
N. Y. Quinine & Chemical Works, Inc. —
Niacet Chemicals Corp.... 34
Niagara Alkali Corp.... —

Oldbury Electro-Chemical Co.... 34
Orthmann Laboratories, Inc.... 56
Osborn, C. J., Co.... 42

Pacific Alkali Co.... —
Pacific Coast Borax Co.... 1
Pacific Vegetable Oil Corp.... —
Paramet Chemical Corp.... 41
Parsons, M. W.... 42
Penick, S. B., & Co.... 52
Pennsylvania Coal Products Co.... 50
Pennsylvania Industrial Chem. Corp. 43
Pennsylvania Refining Co.... —
Pfaltz & Bauer, Inc.... —
Pfizer, Chas., & Co., Inc.... 31
Phelps Dodge Refining Co.... —
Philadelphia Quartz Co.... —
Phosphate Mining Co.... 32
Polachek, Z. H.... 56
Potash Co. of America.... 60
Prior Chemical Corp.... 1
Procter & Gamble....45, 50
Publicker Commercial Alcohol Co.... 1
Purdy, W. S., Co., Inc.... 56
Pure Calcium Products Division.... 1

Raisch, John E., & Co.... 56
Reed-Blair Laboratories.... 56
Reichhold Chemicals, Inc.... 13
Republic Steel Corp.... 38
Rheem Mfg. Co.... —
Robinson Wagner Co.... 52
Rosenthal, H. H., Co., Inc.... —
Rufert Chemical Co.... 57

Sadtler, Samuel P., & Son, Inc.... 56
St. Joseph Lead Co.... —
Schuylkill Chemical Co.... 66
Schwarz Laboratories, Inc.... 56
Seil, Putt & Rusby, Inc.... 56
Sharples Solvents Corp.... 66
Shell Oil Co.... —
Sherwood Petroleum Co., Inc.... 57
Skelly Oil Co.... 21
Smith, Kline & French Labs.... —
Snell, Foster D., Inc.... 56
Solvay Sales Corp.... 23
Sonneborn, L., Sons, Inc.... —
Standard Alcohol Co.... 42
Standard Brands, Inc.... —
Standard Oil Co. of Calif.... —
Standard Specialty & Tube Co.... 52
Standard Synthetics, Inc.... —
Standard Ultramarine Co.... 42
Stauffer Chemical Co.... 34
Stillman & Van Siclen, Inc.... 56
Stillwell & Gladding.... 56
Stroock & Wittenberg Corp.... 29
Sun Oil Co.... —

Taintor Trading Co., Inc.... —
Tamms Silica Co.... —
Tar & Chemical Div. of Koppers Co. 37
Tar Residuals, Ltd.... 38
Tennessee Corp.... 34
Texas Gulf Sulphur Co., Inc.... —
Thompson-Hayward Chemical Co.... —
Thornton, The F. C., Co.... —
Thurston & Braidich.... 42
Titanium Pigment Corp.... —
Todd, A. M., & Co.... —
Tombarel Products Corp.... 55
Truesdail Laboratories, Inc.... 56
Turner, Joseph, & Co.... 50

Union Carbide & Carbon Corp.... 2
U. S. Industrial Chemicals, Inc....17, 18
United States Potash Co.... 59

Vanderbilt, R. T., Co., Inc.... 44
Victor Chemical Works.... 34
Viking Distributing Co.... 55
Vol-U-Meter Co.... 42

Wah Chang Trading Corp.... 46
Warner Chemical Co.... —
Weiss & Downs, Inc.... 56
Wet Ground Mica Assn., Inc.... —
White Tar Co. of N. J.... 37
Wiley & Co., Inc.... 56
Will & Baumer Candle Co., Inc.... 47
Williams, C. K., & Co.... —
Wilson-Martin Div.... 46
Wishnick-Tumpeer, Inc.... —
Woburn Degreasing Co. of N. J.... —
Wolf, Jacques, & Co.... —
Wood Preserving Corp.... 37
Woodridge Mfg. Div.... —
Zophar Mills, Inc.... —

— the answer to your problems wherever moisture with resulting lumping or caking is a factor in transit or storage. Fulton Waterproof Bags with the special Diastretch lining are stepping up efficiency and effecting real savings for large users all over the country. Save money—replace more expensive containers with Fulton Waterproof Paper Lined Bags for shipping, storing chemicals, pigments and any products that require sift-proof and moisture-proof containers. Write, wire or 'phone your order today. *Quick shipments from Atlanta, Georgia and St. Louis, Missouri.*

FULTON BAG & COTTON MILLS

Manufacturers since 1870

Atlanta **St. Louis** **New York** **New Orleans**
Minneapolis **Dallas** **Kansas City, Kan.**

ESTIMATE YOUR NEEDS . . ORDER TODAY

Now Ready— New Price List for R&H Chemicals

Clip this Coupon

for a du Pont Source-of-Supply book

Useful information about 150 chemicals for purchasing agents, technical men, operators—in fact, for all who buy or use chemicals.

Convenient group listings:

Chlorinated Solvents, Refrigerants, Peroxides, Perborates, Cyanides, Electroplating Chemicals and Anodes, Formaldehyde, Sodium, Ceramic Materials, Miscellaneous Chemicals.

Specifications . . . Packing . . . Prices . . . Containers and General Information about Industrial Uses . . .

Send for a copy today

DU PONT

E. I. DU PONT DE NEMOURS & COMPANY, (INC.)

The R. & H. Chemicals Dept.

Wilmington, Delaware

District Sales Offices: Baltimore, Boston, Charlotte, Chicago, Cleveland, Kansas City, Newark, New York, Philadelphia, Pittsburgh, San Francisco

E. I. du Pont de Nemours & Co. (Inc.)
The R. & H. Chemicals Dept.,
Wilmington, Del.

Please send me the R & H Quarterly Price List

*Name*_____

*Address*_____

*City*_____ *State*_____

METHANOL (all grades) METHYL ACETONE
CHEMICAL SOLVENTS
Incorporated
11 Park Place Telephone BArclay 7-8615-6-7 New York

SHARPLES TRADE MARK SOLVENTS
AMYL MERCAPTAN
DIAMYL SULPHIDE
THE SHARPLES SOLVENTS CORP.
PHILADELPHIA CHICAGO NEW YORK

AMMONIUM CHLORIDE U. S. P.
AMMONIUM SULPHATE PURIFIED
POTASSIUM CHLORIDE N. F.
POTASSIUM SULPHATE N. F.
SODIUM CHLORIDE C. P.
SCHUYLKILL CHEMICAL COMPANY
2346-2354 Sedgley Avenue - Philadelphia, Pa.

VISTANEX
POLYBUTENES
Non-Oxidizing Rubbery Materials

for ADHESIVES • A base suitable for use in solvent and heat-sealing types for home, office and factory use.

for HOT MELTS • As a plasticizer for waxes and resins to be used in paper coatings, etc.

for COATINGS • To lower the moisture permeability of paraffin wax coated papers for use in food and candy wrappers, etc.

VISTANEX Polybutene is available in Two Grades—
MEDIUM—A tough, rubbery, colorless material resembling crepe rubber in consistency.
NO. 6—A fairly soft, slightly tacky, plastic material.
Both grades are soluble in a variety of cheap solvents.

For further information and working samples, consult our Technical Service Department.

ADVANCE SOLVENTS & CHEMICAL CORPORATION
245 FIFTH AVENUE NEW YORK, N.Y.

BARTYL "G"
A NEW ODOR-FREE ANTI-SKINNING AGENT

MORE POWERFUL—
LOWER IN COST!

Now it is possible to prevent skinning in paints without the use of materials that leave unpleasant odors . . . *at a new low in cost!*

BARTYL "G", a new Givaudan anti-skinning agent, is like Bartyl "A" in that it has little odor and leaves no odor, yet it sells for approximately *one third the price . . . and is more powerful.*

BARTYL "G" does not affect color, is soluble in oils and solvents and requires but little adjustment to paint formulas so that it will not retard drying. Our staff will be glad to work with you in making these adjustments to your complete satisfaction. Write for samples and prices on BARTYL "G".

GIVAUDAN
DELAWANNA
Industrial Aromatics Division
330 W. 42nd STREET, NEW YORK, N.Y.